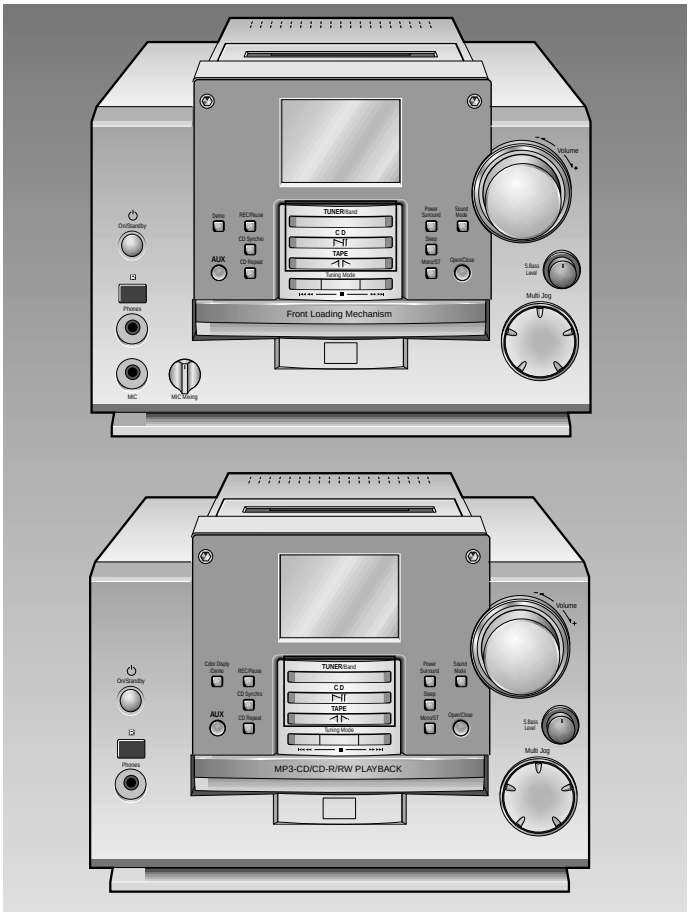
SAMSUNG

MICRO COMPONENT SYSTEM

MM-ZB9

SERVICE Manual

MICRO COMPONENT SYSTEM



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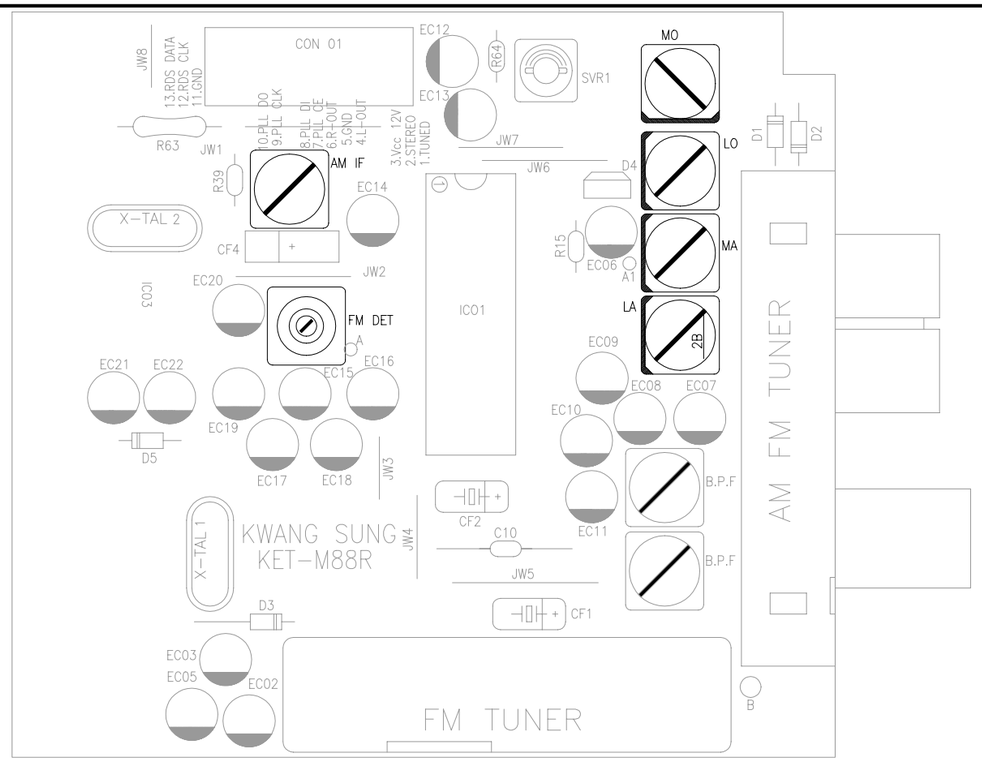
1. Alignment and Adjustments

1. Tuner



* Adjustment Location of Tuner PCB

ITEAM	AM(MW) OSC Adjustment	AM(MW) RF Adjustment	LW OSC Adjustment	AM(MW) RF Adjustment
Received FREQ.	522~1611 KHz	594 KHz	146~290 KHz	150 KHz
Adjustment point	MO	MA	LO	LA
Output	1~7.0±0.5V	Maximum Output(Fig1-4)	2~7.0±0.5V	Maximum Output(Fig1-4)

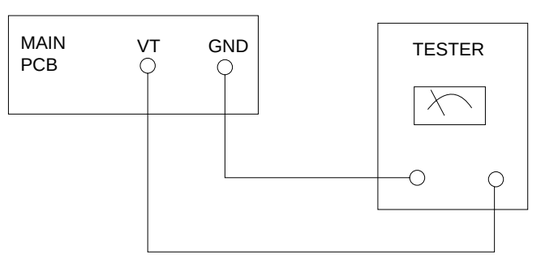


Fig 1-4 OSC Voltage

FM THD Adjustment	
SSG FREQ.	98 MHz
Adjustment point (FM DET)	FM DETECTOR COIL
Output	60 dB
Minumum Distortion (0.4% below) (Figure 1-1)	

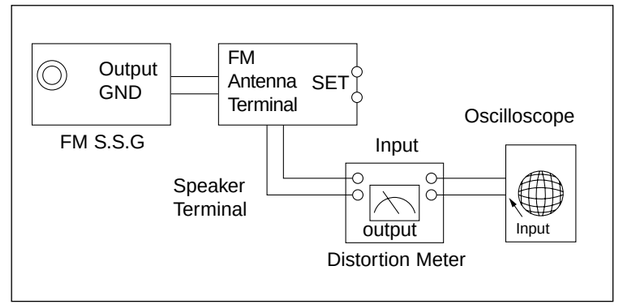


Figure1-1 IF CENTER and THD Adjustment

FM Search Level Adjustment	
SSG FREQ.	98 MHz
Adjustment point (SVR1)	BEACON SENSITIVITY SEMI-VR(20KΩ)
Output	28 dB(±2dB)
Adjust SVR1 so that “TUNED” of FLT is lighted (Figure 1-2)	

*Adjust FM S.S.G level to 28dB

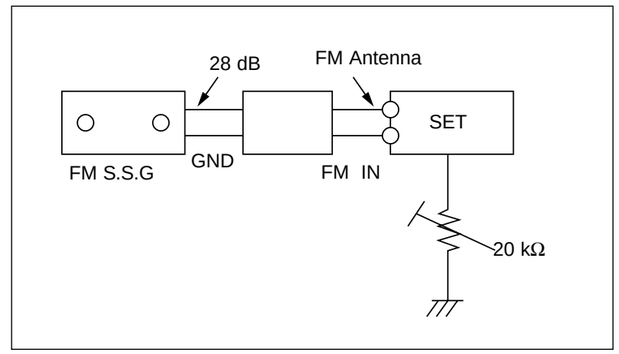


Figure1-2 FM Auto Search Level Adjustment

AM(MW) I.F Adjustment	
SSG FREQ.	450 kHz
Frequency	522 kHz
Adjustment point	AM IF
Maximum output (Figure 1-3)	

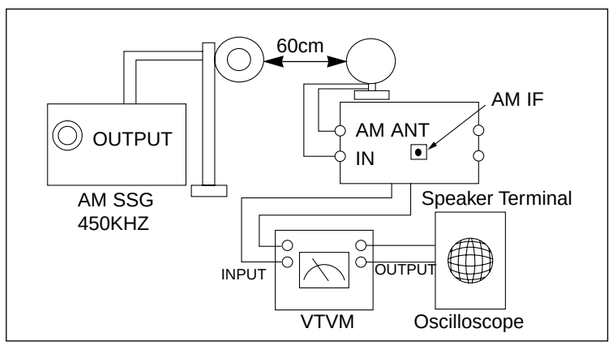


Figure1-3 AM I.F Adjustment

2. Cassette Deck

2-1. To Adjust Tape Speed

Notes

1) Measuring tape: i) MTT-111 (or equivalent)
(Tapes recorded with 3kHz)
ii) MTT-5512 (or equivalent)
2) Connect the SPK OUT of the MAIN PCB to the frequency counter as in figure 1-5.

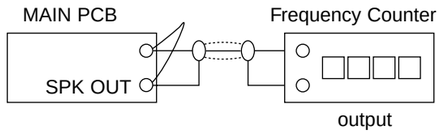


Figure 1-5

Step	Item	Pre-Setup Condition	Pre-Setup	To Adjust	Standard	Remark
1	NOR SPEED Control	SPK OUT (connected to the frequency counter)	1) Deck :MTT-111 2) Press PLAY SW button	FIXed	3KHz	±1% range

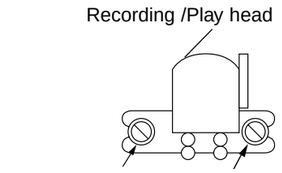


Figure 1-6

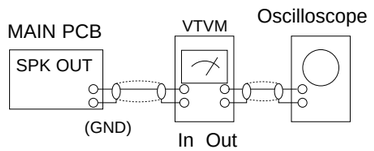


Figure 1-7

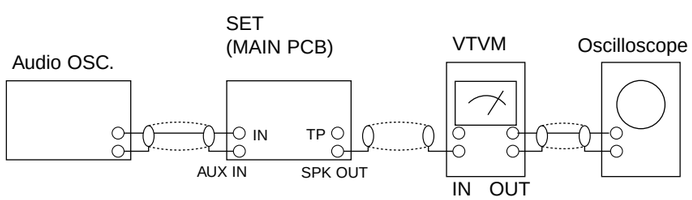


Figure 1-8

2-2. To Adjust PlayBack Level/REC

Notes

1) Before the actual adjustment, clean the play/recording head.
2) Measuring tape :
i) MTT-114N(or equivalent 10kHz AZIMUTH control)
ii) MTT-5512
3) The cassette deck is connections as shown in figure 1-7.

1. Adjust Deck Play Level

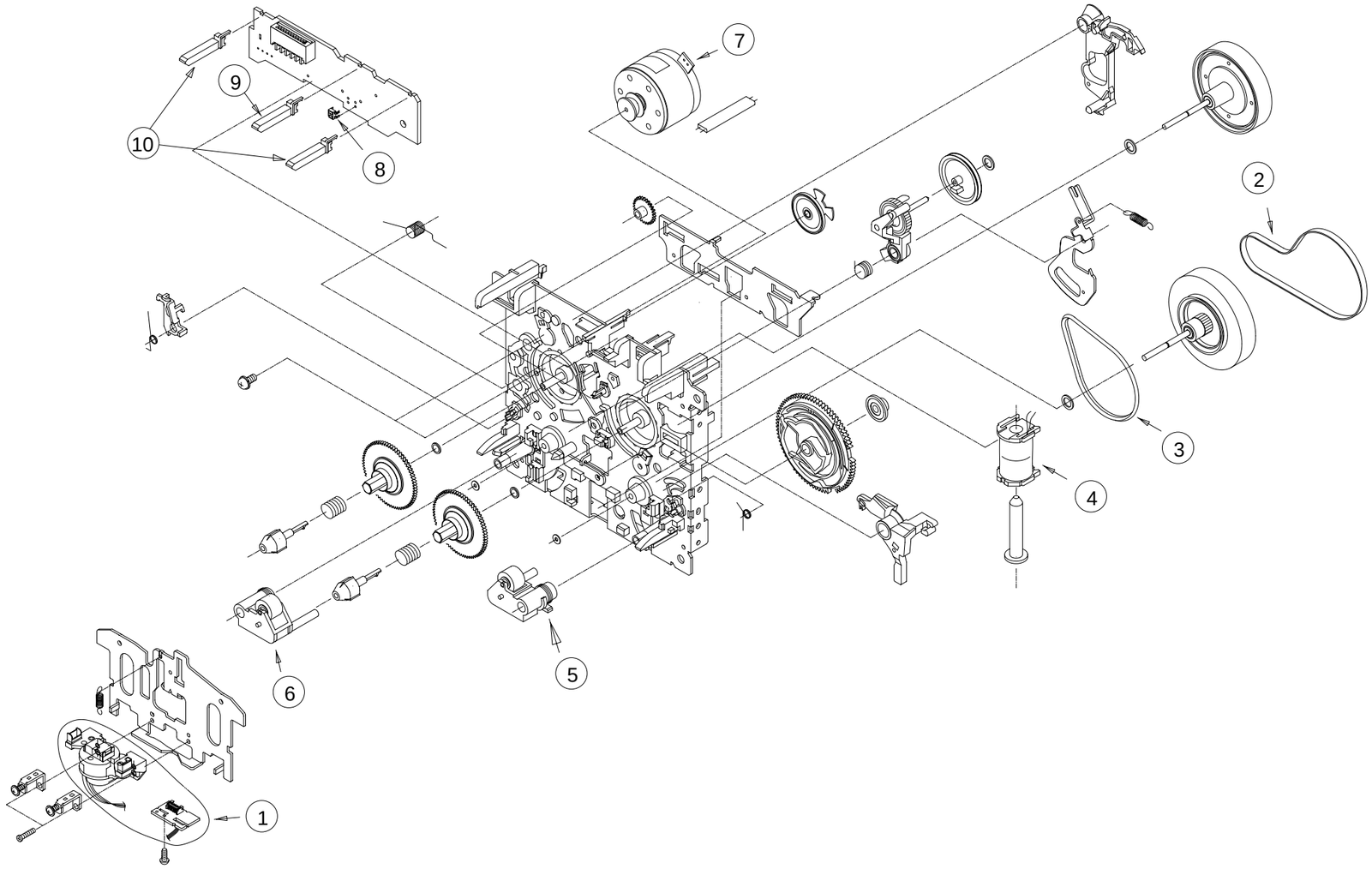
Step	Item	Pre-Setup Condition	Pre-Setup	To Adjust	Standard	Remark
1	AZIMUTH	SPK OUT (VTVM is connected to the scope)	After putting MTT-114N into Deck - Press FWD PLAY button.	- Turn the control screw to as shown in Figure 1-6.	Max output and same phase (both channels)	After adjustment secure it with REGION LOCK.

2. Adjust Deck REC BIAS

Step	Item	Pre-Setup Condition	Pre-Setup	To Adjust	Standard	Remark
1	Recording Bias Frequence		After putting MTT-5512 into Deck 1) Press REC PLAY button. 2) TAPE PCB JR55L/R (by JCON1) ,connected to VTVM	- Turn JT1 to the right and left.	105KHz	
2	Recording Bias Voltage		After putting MTT-5512 into Deck 1) Press REC PLAY button. 2) TAPE PCB JR55L/R (by JCON1) ,connected to VTVM	FIXed	CHECK TO 7mV(±0.5mV)	

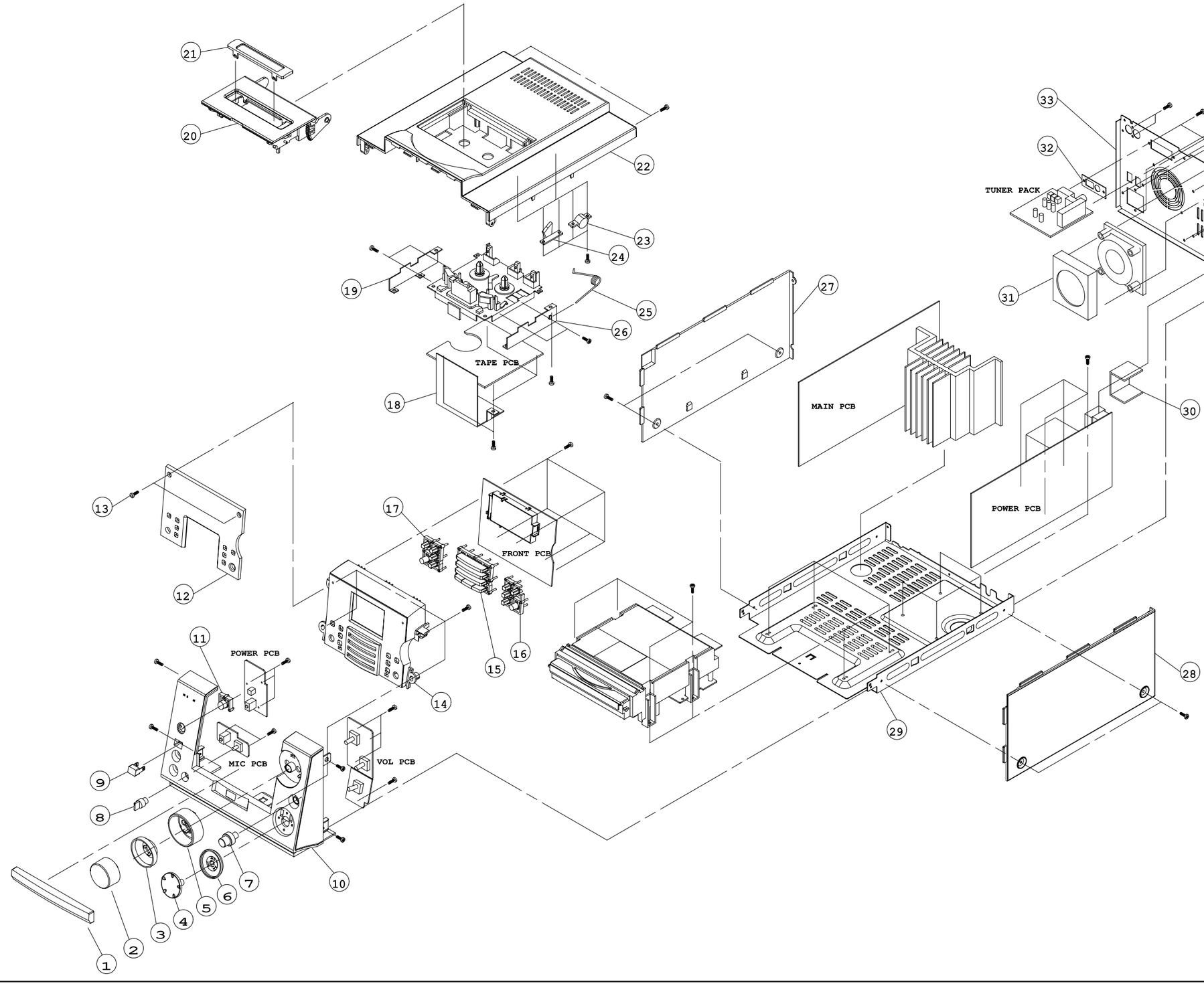
2.Exploded Views and Parts List

2-1 Auto Reverse Cassette Deck



No.	Code No.	Description	Specification	Remarks
	AH59-00137A	ALPS SINGLE AUTO RVS	CMAL1Z200A	12V
1	AH81-00543A	R/P HEAD ASS'Y	HADKH5655A	F513-853
2	AH81-00543B	MAIN BELT	FF19U-21	FF19U-21
3	AH81-00543C	F/R BELT	FF19S-31	FF19S-31
4	AH81-00543D	SOLENOID	F765-292	F765-292
5	AH81-00543E	ROLLER PINCH BLK R	F514-129	F514-129
6	AH81-00543F	ROLLER PINCH BLK L	F514-130	F514-130
7	AH81-00543G	MOTOR	MM16S2K	F525-332
8	AH81-00543H	REEL SENSOR	SG-107F3;KODENSHI	AW12G-00
9	AH81-00543J	LEAF S/W - WHITE	SPLFF	UE20P-21
10	AH81-00543K	LEAF S/W - BLK	SPLFE1	UE20P-12

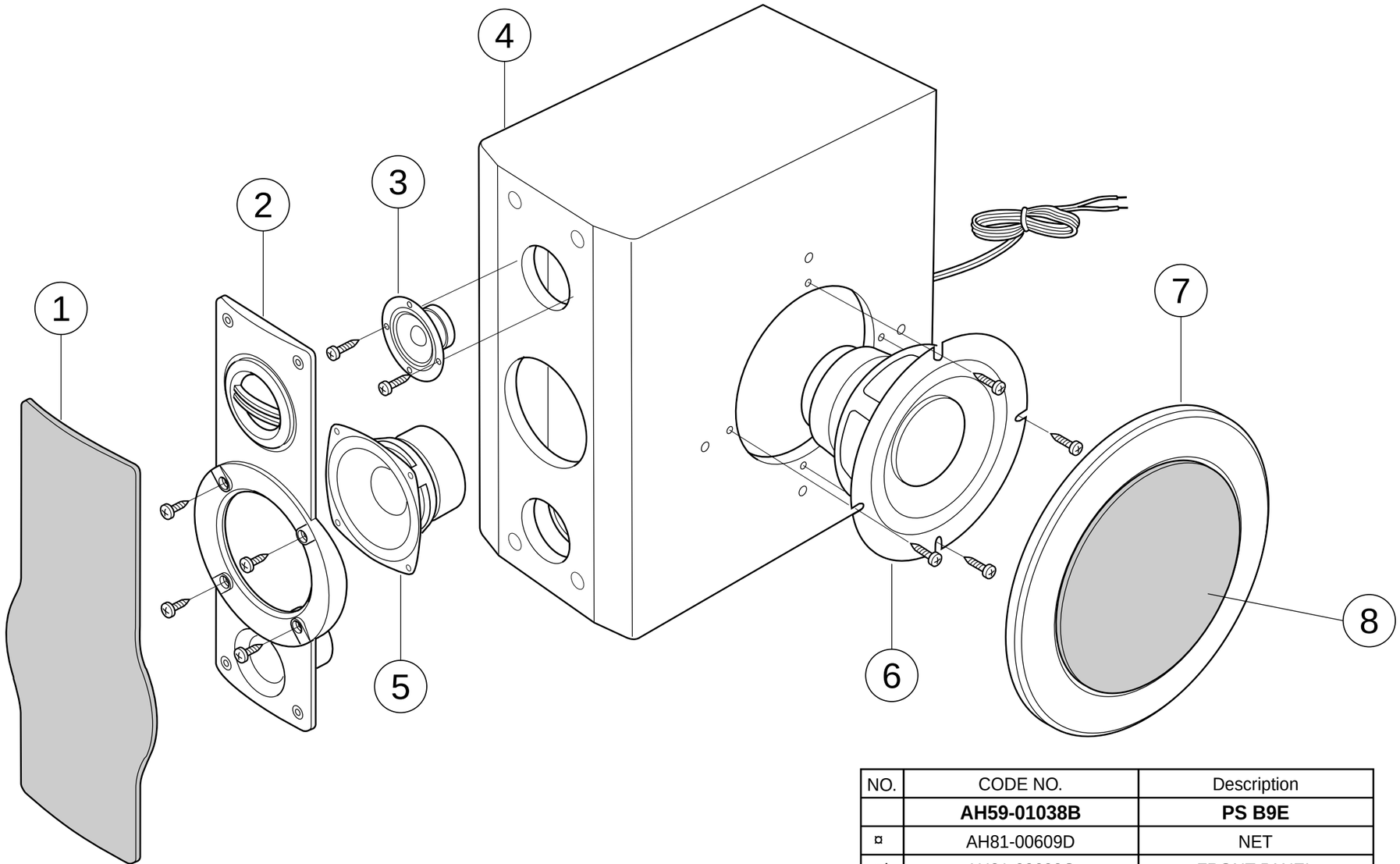
2-2 Total Exploded View and Parts List



* Parts List

No.	Code No.	Description	Specification	Remarks
1	AH64-01572B	DOOR-TRAY	ABS 94HB,STAMPING	MM-B9
	AH64-01572C	DOOR-TRAY	ABS 94HB,STAMPING	MM-ZB9
2	AH64-01579B	KNOB-VOLUME	ABS 94HB,SILVER	
3	AH67-00143A	LENS-VOLUME	PMMA MILKY	
4	AH64-01581B	KNOB-JOG	ABS 94HB,SILVER	
5	AH64-01574B	DECO-VOLUME	ABS 94HB,Cr PLATING	
6	AH64-01575B	DECO-JOG	ABS 94HB,Cr PLATING	
7	AH64-01580B	KNOB-WOOFER	ABS 94HB,SILVER	
8	AH64-01583B	KNOB-MIC	ABS 94HB,SILVER	MIC OPTION
9	AH67-00142A	LENS-REMOCON	PMMA VIOLET	
10	AH64-01567C	CABINET-FRONT	ABS 94HB,SILVER	MM-B9,NO MIC
	AH64-01567D	CABINET-FRONT	ABS 94HB,SILVER	MM-B9,MIC
	AH64-01567E	CABINET-FRONT	ABS 94HB,SILVER	MM-ZB9,NO MIC
	AH64-01567F	CABINET-FRONT	ABS 94HB,SILVER	MM-ZB9,MIC
11	AH64-01582B	KNOB-POWER	ABS 94HB,SILVER	
12	AH64-01585B	WINDOW-LCD	ACRYL T4.0	MULTI COLOR
	AH64-01585C	WINDOW-LCD	ACRYL T4.0	BLUE COLOR,RDS
	AH64-01585D	WINDOW-LCD	ACRYL T4.0	BLUE COLOR,NO RDS
	AH64-01585E	WINDOW-LCD	ACRYL T4.0	MULTI COLOR,RDS
13	AH64-01106F	SCREW-DECO	3*10,Cr PLATING	
14	AH64-01573B	DECO-FRONT	ABS 94HB,SILVER	
15	AH64-01576B	KNOB-FUNCTION	ABS VACUUM COATING	
16	AH64-01578B	KNOB-OPEN	ABS 94HB,SILVER	
17	AH64-01577B	KNOB-REC	ABS 94HB,SILVER	
18	AH63-00498A	SHIELD-DECK	SILICON PLATE T0.5	
19	AH61-00896A	BRKT-DECK L	SECC T1.0	
20	AH64-01571B	DOOR-CASSETTE	ABS 94HB,SILVER	
21	AH64-01584B	WINDOW-CASS	PMMA GREEN,STAMPING	
22	AH64-01568B	CABINET-TOP	HIPS 94HB,SILVER	
23	AH61-80030A	ASSY-DAMPER	POM M0.8	
24	AH95-50001A	ASSY-LATCH	MAX555	
25	AH61-00857A	SPRING-DOOR	MM-Z100	
26	AH64-00897A	BRKT-DECK R	SECC T1.0	
27	AH64-01569B	CABINET-SIDE L	HIPS 94HB,SILVER	
28	AH64-01570B	CABINET-SIDE R	HIPS 94HB,SILVER	
29	AH64-01565A	CABINET-BOTTOM	SECC T1.0	
30	AH61-01047A	BRKT-PT	SECC T1.0	
31	AH61-10747A	BRKT-FAN	SECC T1.0	
32	AH63-00411A	SHEET-TUNER	PC T0.5 BLACK	
33	AH64-01566B	CABINET-REAR	SECC T0.8 BLACK	NO OPTICAL JACK
	AH64-01566C	CABINET-REAR	SECC T0.8 BLACK	OPTICAL JACK

2-3 SPEAKER Exploded View and Parts list



NO.	CODE NO.	Description
	AH59-01038B	**PS B9E**
¤	AH81-00609D	NET
¤Ł	AH81-00609C	FRONT PANEL
¤Ø	AH81-00609L	UNIT TWEETER 2"
¤Œ	AH81-00609G	CABINET ASS'Y L
	AH81-00609H	CABINET ASS'Y R
¤º	AH81-00609K	UNIT WOOFER 4"
¤	AH81-00609J	UNIT SUBWOOFER 5¼"
¤	AH81-00609E	SIDE NET A
¤	AH81-00609F	SIDE NET B

* CAUTION : It is used the bonding, connect FRONT PANEL to CABINET WOODEN.
So when the disassembly, take extreme care not to demage the SPEAKER.

3. Electrical Parts List

*S.N.A. : Service Not Available

Location no.	Code no.	Description & Specifiation	Remarks
		****** MM-B9 Parts List ******	
JCW1-1	3809-001223	CABLE-FLAT;30V,80C,50mm,13P,1.25mm,UL289	
TCW1-1	3809-001223	CABLE-FLAT;30V,80C,50mm,13P,1.25mm,UL289	
	3809-001280	CABLE-FLAT;30V,80C,250MM,17P,1.25MM,UL28	
MAIN-FR	3809-001291	CABLE-FLAT;30V,80C,150MM,21P,1.25MM,UL28	
RT1	AH26-00161A	TRANS POWER;-,MM-B9,-,5P/10P,230V,-,-,-,	
	AH31-00029A	MOTOR FAN;C161NK10B0110,RDM6015S,0.15A,-	
	AH38-10001A	FM-WIRE;1007#22,1500MM	
	AH39-00257G	POWER CORD;MAX980,-,CP2,250V,2.5A,1830MM	
	AH40-00024D	TUNER;KST-MN114LS1-55,MM-ZB9,-,-,-,-	
	AH42-20001P	LOOP-ANT;TT,1000MM,18.5UH	
	AH59-00134D	REMOCON-ASSY;MM-B9,SAMSUNG,-,-,27KEY,-,-	
	AH59-00138D	**DECK-MECHA ASSY;-,CD,-,-,-,-,-,-,-**	
	3409-001078	LEAF SWITCH;MSW-1731-CVCA	
	3809-001289	CABLE-FLAT;30V,80C,90MM,16P,1MM,UL20696	
	AH31-00030A	MOTOR DC;-,RF-300CH,86MA,-,-,1~6V,1410?	
	AH59-01006A	DECK;CMS-P73SG6,MM-Z100UH,-,19.4MM,	
	AH30-00007A	PICK UP;SOH-AA,D73SG6(U)	
	AH92-00921B	**ASSY PCB-CD(ONLY);MM-B100MH,G3HI-1CD/CDP**	
IC401	1003-001162	IC-MOTOR DRIVER;KA3082,SIP,10PIN,25MIL,D	
X201	2802-000211	RESONATOR-CERAMIC;16.93MHz,0.5%,TP,10.0x	
CW105	3708-000189	CONNECTOR-FPC/FFC/PIC;17P,1.25mm,ANGLE,S	
CW101	3708-001388	CONNECTOR-FPC/FFC/PIC;16P,1MM,ANGLE,SN	
	3711-000906	CONNECTOR-HEADER;BOX,3P,1R,2mm,ANGLE,SN	
CW103	3711-000988	CONNECTOR-HEADER;BOX,5P,1R,2mm,ANGLE,SN	
CW106	AH39-00060A	LEAD CONNECTOR-ASSY;-,51015-08,51004-08,	
ZD301	0403-000344	DIODE-ZENER;UZ3.9B,3.9V,3.7-4.1V,500mW,D	
ZD401	0403-000357	DIODE-ZENER;UZ5.6BM,5.6V,5.4-5.8V,500mW,	
Q302	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q101	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q301	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
IC201	0904-001524	IC-DSP;5L9290,-,QFP,48P,472MIL,16.934	
IC301	1003-000179	IC-MOTOR DRIVER;KA9258D,SOP,28P,-,SINGLE	
IC101	1204-001799	IC-ASP;KB9226,LQFP,48P,393MIL,PLASTIC	
R502L	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R805	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R804	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R213	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R212	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R211	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R205	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
0R806	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R803	2001-000515	R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R206	2001-000515	R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R302	2001-001006	R-CARBON;82ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R114	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
J46	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J44	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J43	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J42	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J35	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J36	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J41	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J3	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J25	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J24	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J23	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J22	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J4	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J9	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J8	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J7	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J6	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J5	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J15	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J13	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J12	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J10	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J1	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J16	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J20	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J2	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J19	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J18	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J17	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R501R	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R501L	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R502R	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R133	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R132	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
MR3	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
MR2	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R108	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	

Location no.	Code no.	Description & Specifiation	Remarks
R124	2007-000338	R-CHIP;120KOHM,5%,1/10W,DA,TP,2012	
R125	2007-000338	R-CHIP;120KOHM,5%,1/10W,DA,TP,2012	
R117	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
R121	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R113	2007-000444	R-CHIP;180KOHM,5%,1/10W,DA,TP,2012	
R110	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R402	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R401	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R209	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R202	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R118	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R303	2007-000502	R-CHIP;2.2OHM,5%,1/10W,DA,TP,2012	
R116	2007-000546	R-CHIP;20KOHM,5%,1/10W,DA,TP,2012	
R210	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R208	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R207	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R204	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R128	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R129	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R123	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R126	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R120	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R104	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R103	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R102	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R101	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R115	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R112	2007-001195	R-CHIP;820KOHM,5%,1/10W,DA,TP,2012	
R127	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
R119	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
R106	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
R105	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
R107	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R301	2008-000140	R-FUSIBLE;2.2ohm,5%,1/2W,AA,TP,3.5x9.4mm	
C205	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C211	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C213	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C216	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C218	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C220	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C402	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C204	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C115	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C116	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C118	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C124	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C132	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C130	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C129	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C401	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
C207	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
C134	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
C103	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
C105	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
C121	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
C124	2203-000347	C-CERAMIC,CHIP;150nF,10%,50V,NPO,2012,-,	
JW9<->JW10	2203-000477	C-CERAMIC,CHIP;1uF,+80-20%,16V,Y5V,2012,	
C126	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,2012,-,	
C127	2203-000595	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,2012	
C119	2203-000802	C-CERAMIC,CHIP;33NF,10%,50V,X7R,2012,TP	
C128	2203-000802	C-CERAMIC,CHIP;33NF,10%,50V,X7R,2012,TP	
C125	2203-000840	C-CERAMIC,CHIP;390pF,5%,50V,NPO,2012,-,T	
C111	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
C112	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
C135	2203-000919	C-CERAMIC,CHIP;470nF,+80-20%,16V,Y5V,201	
C120	2203-000919	C-CERAMIC,CHIP;470nF,+80-20%,16V,Y5V,201	
C109	2203-001026	C-CERAMIC,CHIP;4pF,5%,16V,NPO,2012,-,TP	
C124A	2203-001063	C-CERAMIC,CHIP;56nF,10%,16V,X7R,1608,-,T	
C122	2203-001137	C-CERAMIC,CHIP;68nF,+80-20%,50V,Y5V,2012	
C106	2203-001137	C-CERAMIC,CHIP;68nF,+80-20%,50V,Y5V,2012	
C203	2203-001223	C-CERAMIC,CHIP;820pF,10%,50V,X7R,2012,2.	
C502R	2203-001537	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
C502L	2203-001537	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
C117	2203-001537	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
C102	2203-001537	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
C104	2203-001551	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C202	2203-001619	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C201	2203-001619	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C123	2401-000407	C-AL;10uF,20%,16V,GP,3.5*5,2.5MM,TP	
C303	2401-001102	C-AL;330uF,20%,16V,GP,8*11.5,5MM,TP	
C301	2401-001102	C-AL;330uF,20%,16V,GP,8*11.5,5MM,TP	
C114	2401-001238	C-AL;4.7uF,20%,25V,GP,BK,3x5,1mm	
C501L	2401-001238	C-AL;4.7uF,20%,25V,GP,BK,3x5,1mm	
C501R	2401-001238	C-AL;4.7uF,20%,25V,GP,BK,3x5,1mm	
C302	2401-001895	C-AL;100uF,20%,16V,GP,TP,6.3x11,2.5	
C304	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C217	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C215	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C210	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	

Location no.	Code no.	Description & Specifiation	Remarks
C131	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C108	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C107	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C101	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
DL1	2701-000111	INDUCTOR-AXIAL;100uH,10%,2.5x3.4mm	
	AH97-00863A	**ASSY CDP DECK-G3HI-1CD/MP3;-,-,G3HI-1CD/**	
	3302-000159	MAGNET-FERRITE;AC,-,3500-3800G,6P FERRIT	
	3409-001119	SWITCH-DETECTOR;5V DC,1.0A,DPST,30gf,-	
	AH39-00104A	LEAD CONNECTOR-ASSY;-,35023,51004,5P,200	
	AH59-01038B	**SPEAKER SYSTEM;PSB9E,-,-,-,-,-,-,ELS,-**	
	AH92-01330B	**ASSY PCB-KOR,TAP;MM-B9,SUM**	
ULED2	0601-001432	LED;SLP340BL10F,470NM,3MM	
ULED1	0601-001432	LED;SLP340BL10F,470NM,3MM	
ULED3	0601-001436	LED;SELU1E10CXM BLUE5MM,470NM	
ULED4	0601-001436	LED;SELU1E10CXM BLUE5MM,470NM	
OJ1	0603-001069	OPTIC TRANSMITTER;5V,8Mb/s,-,-17dBm,660n	
XD1(SIDE)	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
OL1	2901-001139	FILTER-EMI ON BOARD;50V,.5A,-,390PF,7*2	
UVR1	3406-001047	SWITCH-ROTARY;RE012104PVB25FINB1-2-24E	
UVR3	3406-001050	SWITCH-ROTARY;RE012103PVB25FINB1-2-24PCE	
UVR2	3406-001050	SWITCH-ROTARY;RE012103PVB25FINB1-2-24PCE	
UCW2	3711-000596	CONNECTOR-HEADER;BOX,10P,1R,2mm,STRAIGHT	
UCW3	3711-000968	CONNECTOR-HEADER;BOX,4P,1R,2mm,STRAIGHT,	
HCW2	3711-001136	CONNECTOR-HEADER;BOX,8P,1R,2mm,ANGLE,SN	
ACW2	3711-003107	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGH	
MJ1	3722-001588	JACK-PHONE;7P,3.6PI,AG,BLK,-	
HJ1	3722-001588	JACK-PHONE;7P,3.6PI,AG,BLK,-	
LCD1	AH07-00064A	LCD;-,MM-B9,8,56*40,-,-,-,-,5V,-,-	
OIC1	AH14-10004R	IC;M74HCU04,SOP,TAPE,14P	
	AH39-00096B	LEAD CONNECTOR ASSY;#1007,28,AWG28,3P,30	
UCW6	AH39-00393A	CONNECT WIRE;-,-,-,10P;-,-,-,5295,51004,	
UCW5	AH39-00398A	CONNECT WIRE;-,-,-,4P,-,-,-,35023,51004,	
ACW3	AH39-00400A	CONNECT WIRE;-,-,-,3P,-,-,-,5264,51088,-	
AMONO WIRE	AH39-50001K	LEAD-FASTEN;RING,1007#24,140MM,BLK	
RMC1	AH59-60001J	MODULE REMOCON;GP1U271R,38KHZ,-,MESH,-,	
	AH61-00898A	HOLDER-LCD;MM-B9,ABS 94HB,-,-,-,WHT,-	
	AH63-00364A	FILTER-LCD;MM-B9,KIMO,120,-,-,-,-	
	AH63-00384A	SHIELD-SPK,8;HT-DL100,SPTE 0.3T,-,-,-,-,	
	AH67-00141A	LENS-LCD;MM-B9,PMMA,CLEAR,-,-,-,-	
XD4	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
XD3	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
XD2	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
XD1	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD51	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD52	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UJW14	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UQ9	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ8	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ5	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ3	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ10	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UR80	2001-000027	R-CARBON;100ohm,5%,1/4W,AA,TP,2.4x6.4mm	
UR79	2001-000027	R-CARBON;100ohm,5%,1/4W,AA,TP,2.4x6.4mm	
HR2	2001-000110	R-CARBON;10ohm,5%,1/4W,AA,TP,2.4x6.4mm	
HR1	2001-000110	R-CARBON;10ohm,5%,1/4W,AA,TP,2.4x6.4mm	
UR69	2001-000221	R-CARBON;1.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR76	2001-000221	R-CARBON;1.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR75	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR68	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR92	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR91	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR90	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR88	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR86	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR84	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR77	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR70	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR66	2001-000472	R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR73	2001-000472	R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR72	2001-000613	R-CARBON;3.9Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR65	2001-000613	R-CARBON;3.9Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR51	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR64	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR78	2001-000995	R-CARBON;820ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR71	2001-000995	R-CARBON;820ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR59	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
UR58	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
UR57	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
OC2	2201-000381	C-CERAMIC,DISC;22nF,+80%,50V,-,,8x4mm,-	
OC1	2201-000487	C-CERAMIC,DISC;33pF,5%,50V,SL,TP,5x3,5m	
HC11	2202-000850	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R	
HC12	2202-000850	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R	
UC52	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
OC3	2401-000240	C-AL;100uF,20%,10V,GP,5*11mm,5mm,TP	
HL1	2701-000298	INDUCTOR-AXIAL;470uH,10%,4.2x9.8mm	
HL2	2701-000298	INDUCTOR-AXIAL;470uH,10%,4.2x9.8mm	
HL3	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
USW2	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW3	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW4	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW5	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW6	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW7	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW8	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW9	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW17	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW1	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW10	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW11	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW12	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW16	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW15	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW14	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW13	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
	AH92-01331A	**ASSY PCB-TAPE;MM-B9,TAPE**	
JIC1	1201-001819	IC-PREAMP;-,-,44P,-,-,-,PLASTIC,18V,625M	
JCON2	3708-000193	CONNECTOR-FPC/FFC/PIC;17P,1.25mm,STRAIGH	
JCON3	3708-001029	CONNECTOR-FPC/FFC/PIC;9P,1.25mm,STRAIGHT	
JL1L	AH26-10002W	COIL-TRAP;BIAS-TRAP105K,BIAS-TRAP,32DB,9	
JL1R	AH26-10002W	COIL-TRAP;BIAS-TRAP105K,BIAS-TRAP,32DB,9	
JT1	AH26-10003C	COIL-TRAP;PCHNS-5371EQJ,BIAS-TRAP,-,-,85	
JCON1	AH39-00360A	LEAD CONNECTOR ASSY;MM-Z100,1533#28,-,6P	
JD1	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
JD2	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
JZD1	0403-000354	DIODE-ZENER;UZ5.1B,5.1V,4.8-5.4V,500mW,D	
JQ5R	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ5L	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ4R	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ4L	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ9	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
JQ8	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
JQ7	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
JQ13	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
JQ12	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
JQ11	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
JQ10	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
JQ3	0504-001003	TR-DIGITAL;KSR2003TA,300mW,22K-22Kohm	
JR28R	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR28L	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR19	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR18	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR21	2001-000034	R-CARBON;220ohm,5%,1/4W,AA,TP,2.4x6.4mm	
JR26R	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR26L	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR16	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR27R	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR27L	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR33	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR40	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR32R	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR32L	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR2	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR1	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR7R	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR7L	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR24R	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR24L	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR14	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR35	2001-000435	R-CARBON;1Mohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR9	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR5R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR5L	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR31R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR31L	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR30R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR30L	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR13	2001-000456	R-CARBON;2.2ohm,5%,1/4W,AA,TP,2.4x6.4mm	
JR3	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR34	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR8	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR11R	2001-000563	R-CARBON;27Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR11L	2001-000563	R-CARBON;27Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR10	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR20	2001-000660	R-CARBON;33Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR17	2001-000660	R-CARBON;33Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR4R	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR4L	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR41	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR39	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR38	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR37	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR36	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR29R	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR29L	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR25R	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR25L	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR12	2001-001153	R-CARBON(S);47ohm,5%,1/2W,AA,TP,2.4x6.4m	
JR23	2001-001178	R-CARBON(S);680ohm,5%,1/2W,AA,TP,2.4x6.4	
JR22	2001-001178	R-CARBON(S);680ohm,5%,1/2W,AA,TP,2.4x6.4	
JC19R	2201-000163	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,6.5*	
JC19L	2201-000163	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,6.5*	
JC17R	2201-000163	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,6.5*	
JC17L	2201-000163	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,6.5*	
JC4R	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	

Location no.	Code no.	Description & Specifiation	Remarks
JC4L	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
JC15L	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
JC15R	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
JC11R	2202-000847	C-CERAMIC,MLC-AXIAL;1,8nF,30%,50V,Y5S,TP	
JC11L	2202-000847	C-CERAMIC,MLC-AXIAL;1,8nF,30%,50V,Y5S,TP	
JC22L	2202-000850	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R	
JC22R	2202-000850	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R	
JC13R	2301-000379	C-FILM,PEF;10nF,10%,50V,6x12x3.5,TP	
JC13L	2301-000379	C-FILM,PEF;10nF,10%,50V,6x12x3.5,TP	
JC8	2301-000390	C-FILM,PEF;15nF,10%,50V,7x12x3.5,TP	
JC6	2301-000404	C-FILM,PEF;2.2nF,10%,50V,5.5x12x3,TP	
JC5	2301-000407	C-FILM,PEF;2.7nF,10%,50V,5.5x12x3,TP	
JC27	2401-000240	C-AL;100uF,20%,10V,GP,5*11mm,5mm,TP	
JC24	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
JC30	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
JC18R	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
JC18L	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
JC10	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
JC3	2401-001954	C-AL;4.7UF,20%,50V,GP,5*11,5MM,TP	
JC23	2401-001954	C-AL;4.7UF,20%,50V,GP,5*11,5MM,TP	
JC16R	2401-001954	C-AL;4.7UF,20%,50V,GP,5*11,5MM,TP	
JC16L	2401-001954	C-AL;4.7UF,20%,50V,GP,5*11,5MM,TP	
JC9R	2401-001975	C-AL;47uF,20%,16V,GP,5*11,5mm,TP	
JC9L	2401-001975	C-AL;47uF,20%,16V,GP,5*11,5mm,TP	
JC7	2401-001975	C-AL;47uF,20%,16V,GP,5*11,5mm,TP	
JC20R	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
JC20L	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
JL2	2701-000298	INDUCTOR-AXIAL;470uH,10%,4.2x9.8mm	
	AH92-01332B	**ASSY PCB-MAIN/POWER;MM-B9,MAIN/POWER,QH**	
RD19	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
RD18	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
RD17	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
RD14	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
RD15	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
RD16	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
AQ15	0502-001126	TR-POWER;2SD2390,NPN,100W,SC-62,BK,6500	
RQ4	0502-001197	TR-POWER;KSD1406,NPN,25000MW,TO-220F	
RQ2	0502-001197	TR-POWER;KSD1406,NPN,25000MW,TO-220F	
AIC1	1201-001818	IC-POWER AMP;-,-,25P,29MIL,QUAD,26DB,PLA	
AIC4	1203-000110	IC-NEGA.FIXED REG.;7912,TO-220,3P;-,PLAS	
AIC3	1203-000242	IC-POSI.FIXED REG.;7812,TO-220,3P;-,PLAS	
RIC1	1203-000276	IC-POSI.FIXED REG.;7805,TO-220,3P;-,PLAS	
DIC7	1204-001454	IC-VOLUME CONTROL;TDA7449L,DIP,20P,300MI	
AR50	2003-000616	R-METAL OXIDE(S);27ohm,5%,2W,AA,TP,4x12m	
AR52	2003-000616	R-METAL OXIDE(S);27ohm,5%,2W,AA,TP,4x12m	
	2003-000807	R-METAL OXIDE(S);82ohm,5%,2W,AA,TP,4x12m	
RC1	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,16.0*7	
RC2	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,16.0*7	
RC8	2201-000795	C-CERAMIC,DISC;10nF,10%,400V,Y5P,TP,15x1	
RC4	2201-000795	C-CERAMIC,DISC;10nF,10%,400V,Y5P,TP,15x1	
RC13	2201-000795	C-CERAMIC,DISC;10nF,10%,400V,Y5P,TP,15x1	
	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
RC9	2401-001052	C-AL;3300uF,20%,25V,GP,-,16x31.5,7.	
RC5	2401-001052	C-AL;3300uF,20%,25V,GP,-,16x31.5,7.	
RC26	2401-001052	C-AL;3300uF,20%,25V,GP,-,16x31.5,7.	
RC25	2401-001413	C-AL;470UF,20%,35V,GP,10X20,5MM	
HR11<->GND	2401-001465	C-AL;47uF,20%,10V,GP,5*11,5mm,TP	
AC44	2401-001633	C-AL;6800uF,20%,25V,GP,BK,18x35.5,7	
RC31	2401-001886	C-AL;1000uF,20%,35V,GP,16x25mm,5mm,	
RC30	2401-001886	C-AL;1000uF,20%,35V,GP,16x25mm,5mm,	
AC47	2401-001886	C-AL;1000uF,20%,35V,GP,16x25mm,5mm,	
AC46	2401-001886	C-AL;1000uF,20%,35V,GP,16x25mm,5mm,	
UX1	2801-001394	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAY,12.5	
UX2	2802-000181	RESONATOR-CERAMIC;6MHZ,0.3%,BK,9.0X4.0X7	
RRL1	3501-001159	RELAY-MINIATURE;SDT-SS-112DM	
RF1	3601-000162	FUSE-CARTRIDGE;250V,1.25A,TIME-LAG,GLASS	
RF6	3601-000170	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,GLASS,	
RF7	3601-000248	FUSE-CARTRIDGE;250V,2A,TIME-LAG,GLASS,5x	
RF3	3601-000319	FUSE;80MA(15.5MM)	
JCW1	3708-000193	CONNECTOR-FPC/FFC/PIC;17P,1.25mm,STRAIGH	
CCW3	3708-000193	CONNECTOR-FPC/FFC/PIC;17P,1.25mm,STRAIGH	
UCW1	3708-000219	CONNECTOR-FPC/FFC/PIC;21P,1.25mm,STRAIGH	
TCW1	3708-001094	CONNECTOR-FPC/FFC/PIC;13P,1.25mm,STRAIGH	
RJ1	3711-000190	CONNECTOR-HEADER;1WALL,2P,1R,7.92mm,STRA	
RCW2	3711-000658	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
FA4	3711-000820	CONNECTOR-HEADER;BOX,2P,1R,2.5mm,STRAIGH	
RCW1	3711-001018	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
CCW2	3711-001137	CONNECTOR-HEADER;BOX,8P,1R,2mm,STRAIGHT,	
AJ1	3716-001132	TERMINAL-BLOCK;SOLDER,4P,-,-,-	
AJ2	3716-001179	TERMINAL-BLOCK;SOLDER,4P,6.3MM,60V,7A	
AJ4	3722-000377	JACK-RCA;4P/2C,3.5mm,#16~22,SN	
RT2	AH26-00161C	TRANS POWER;-,MM-B9,-,-,230V,8.7V,15.5V,	
RL2	AH27-10001F	COIL-CHOKE;27uH,K,Q30,-,-,DR(6.5*7.5),-,	
RL1	AH27-10001F	COIL-CHOKE;27uH,K,Q30,-,-,DR(6.5*7.5),-,	
JW114	AH27-90001A	COIL-SPRING;,2.2UH,-,-,SPRING	
JW117	AH27-90001A	COIL-SPRING;,2.2UH,-,-,SPRING	
HCW1	AH39-00103A	LEAD CONNECTOR-ASS;-,5295,51004,8P,210MM	
MONO WIRE	AH39-00134A	LEAD-FASTEN;RING,1007#24,60MM,BLK	
PCW1	AH39-00399A	CONNECT WIRE;-,-,-,12P,-,-,-,5264,51088,	
CCW1	AH39-20006G	LEAD-CONNECTOR ASS'Y;51004,5295,5P,300MM	
B	AH39-50001K	LEAD-FASTEN;RING,1007#24,140MM,BLK	

Location no.	Code no.	Description & Specifiation	Remarks
	AH62-00067A	INSULATION-RUBBER;MM-B9,TC-20CG,-,-,-,PI	
UD9	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD8	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD7	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD6	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
AD1	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
RD36	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD10	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD12	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
RD40	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD4	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD39	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD37	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD35	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD8	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD7	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD6	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD5	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD41	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD13	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD12	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD11	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD10	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD34	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD33	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD32	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD3	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD2	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RZD8	0403-000354	DIODE-ZENER;UZ5.1B,5.1V,4.8-5.4V,500mW,D	
RZD1	0403-000379	DIODE-ZENER;UZP12B,12V,11.4-12.6V,1W,DO-	
AZD3	0403-000379	DIODE-ZENER;UZP12B,12V,11.4-12.6V,1W,DO-	
AZD1	0403-000379	DIODE-ZENER;UZP12B,12V,11.4-12.6V,1W,DO-	
AZD4	0403-000393	DIODE-ZENER;UZP5.1B,5.1V,4.8-5.4V,1W,DO-	
AZD2	0403-000393	DIODE-ZENER;UZP5.1B,5.1V,4.8-5.4V,1W,DO-	
RZD3	0403-000399	DIODE-ZENER;UZP9.1B,8.5-9.6V,1W,DO-41,TP	
FZD2	0403-000399	DIODE-ZENER;UZP9.1B,8.5-9.6V,1W,DO-41,TP	
FZD1	0403-000399	DIODE-ZENER;UZP9.1B,8.5-9.6V,1W,DO-41,TP	
RQ16	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
AQ13	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
RQ5	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
UQ1	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
RQ6	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
HQ2	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
HQ1	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
FQ2	0501-000407	TR-SMALL SIGNAL;KSD471A-Y,NPN,800mW,TO-9	
FQ1	0501-000407	TR-SMALL SIGNAL;KSD471A-Y,NPN,800mW,TO-9	
HQ3	0504-001003	TR-DIGITAL;KSR2003TA,300mW,22K-22Kohm	
FQ3	0504-001003	TR-DIGITAL;KSR2003TA,300mW,22K-22Kohm	
HIC1	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC5	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC3	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC2	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
DIC9	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC1	1204-001776	IC-SOUND PROCESSOR;TDA7442D,SOP,28P,295M	
FR31	2001-000016	R-CARBON(S);10HM,5%,1/2W,AA,TP,2.4*6.4MM	
RR10	2001-000027	R-CARBON;100ohm,5%,1/4W,AA,TP,2.4x6.4mm	
RR11	2001-000027	R-CARBON;100ohm,5%,1/4W,AA,TP,2.4x6.4mm	
FR13L	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
FR24R	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR2	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR1	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
DR54	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
DR53	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR34	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR13	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR26R	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR26L	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
AR36	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
DR61	2001-000331	R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR6R	2001-000411	R-CARBON;18Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR6L	2001-000411	R-CARBON;18Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR14	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR15	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR17	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR8	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR9	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR13	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR35	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR39	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR10	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR11	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR12	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR25R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
FR25L	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
AR13R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
AR13L	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR9	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR3R	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR3L	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
HR4	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
HR11	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
FR1R	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	

Location no.	Code no.	Description & Specifiation	Remarks
FR1L	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR38	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR37	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
FR5R	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
AR19	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
AR12L	2001-000864	R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
AR12R	2001-000864	R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR36	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
AR51	2001-001077	R-CARBON(S);150ohm,5%,1/2W,AA,TP,2.4x6.4	
RR4	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
RR101	2001-001195	R-CARBON(S);82ohm,5%,1/2W,AA,TP,2.4x6.4m	
FR30	2001-001195	R-CARBON(S);82ohm,5%,1/2W,AA,TP,2.4x6.4m	
FR10	2001-001195	R-CARBON(S);82ohm,5%,1/2W,AA,TP,2.4x6.4m	
RR3	2003-000554	R-METAL OXIDE(S);2.2OHM,5%,1W,AA,TP,3.3X	
JW4	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW3	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW2	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW19	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW6	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW73	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW8	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW82	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW9	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW1	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW10	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW11	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW110	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW14	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW18	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW17	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW16	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW15	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW13	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
JW12	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
HR8	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
HR7	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
DR62	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
FR13R	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
FR24L	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
FR12R	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
AR5	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
DR52	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
DR51	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
UR31	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
UR32	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
UR33	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
UR45	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
FR28L	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
FR28R	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
UR29	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
UR30	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
FR4R	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
FR4L	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
FR27R	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
FR27L	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
UR27	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
UR26	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RR12	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
AR40	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
AR4	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
FR2R	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
FR2L	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
UR25	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
UR28	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
FR11R	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
FR11L	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
DR64	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
DR60	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
RR8	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
DR49	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
HR1	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
FR14R	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
FR14L	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
DR56	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
HR9	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
HR10	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
HR3	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
HR21	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
FR5L	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
DR67	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
DR63	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
UR41	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
UR42	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
UR43	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
UR44	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
UR40	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
DR65	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
HR21	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
HR5	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
HR6	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
FR7R	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
FR7L	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
UR24	2007-001024	R-CHIP;560KOHM,5%,1/10W,DA,TP,2012	

Location no.	Code no.	Description & Specifiation	Remarks
DR48	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
DR47	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
FR23	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
FR20	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
DR46	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
UR23	2007-001654	R-CHIP;10MOHM,1%,1/10W,DA,TP,201	
FC1R	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
FC1L	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
UC7	2201-000389	C-CERAMIC,DISC;0.022nF,5%,50V,NP0,TP,5x3	
UC6	2201-000389	C-CERAMIC,DISC;0.022nF,5%,50V,NP0,TP,5x3	
UC10	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
FC9R	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
FC9L	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
FC10R	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
FC10L	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
UC8	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
FC14R	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
FC14L	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
DC48	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
DC40	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
HC5	2203-000595	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,2012	
HC4	2203-000595	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,2012	
FC20R	2203-000595	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,2012	
FC20L	2203-000595	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,2012	
HC7	2203-000787	C-CERAMIC,CHIP;330PF,0.1,50V,Y5P,2012,-,	
HC6	2203-000787	C-CERAMIC,CHIP;330PF,0.1,50V,Y5P,2012,-,	
DC47	2203-000787	C-CERAMIC,CHIP;330PF,0.1,50V,Y5P,2012,-,	
DC45	2203-000787	C-CERAMIC,CHIP;330PF,0.1,50V,Y5P,2012,-,	
CC4	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
CC5	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
CC6	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
CC3	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
CC2	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
CC1	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
UC9	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,2012,-,T	
DC39	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,2012,-,T	
FC8R	2203-001036	C-CERAMIC,CHIP;5.6nF,10%,50V,X7R,2012,-,	
FC8L	2203-001036	C-CERAMIC,CHIP;5.6nF,10%,50V,X7R,2012,-,	
FC15L	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
FC15R	2203-001518	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
UC4	2401-000240	C-AL;100uF,20%,10V,GP,5*11mm,5mm,TP	
UC1	2401-000240	C-AL;100uF,20%,10V,GP,5*11mm,5mm,TP	
FC30R	2401-000240	C-AL;100uF,20%,10V,GP,5*11mm,5mm,TP	
RC7	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
FC33R	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
FC33L	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
FC30L	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
AC55	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
AC49	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
DC49	2401-000357	C-AL;100UF,0.2,50V,GP,8*12,5MM,SSL	
DC36	2401-000357	C-AL;100UF,0.2,50V,GP,8*12,5MM,SSL	
RC27	2401-000438	C-AL;10uF,20%,25V,GP,5*11,5mm,TP	
FC12	2401-000438	C-AL;10uF,20%,25V,GP,5*11,5mm,TP	
RC28	2401-000588	C-AL;1uF,20%,50V,GP,3*5,2.5MM,TP	
AC26R	2401-000649	C-AL;2.2UF,50V,BP,5*11MM,5MM	
AC26L	2401-000649	C-AL;2.2UF,50V,BP,5*11MM,5MM	
AC25R	2401-000649	C-AL;2.2UF,50V,BP,5*11MM,5MM	
AC25L	2401-000649	C-AL;2.2UF,50V,BP,5*11MM,5MM	
UC3	2401-000759	C-AL;220NF,20%,50V,GP,5X11MM,5MM,TP	
RC6	2401-000795	C-AL;220uF,20%,16V,GP,8*12,5MM,TP	
RC10	2401-000795	C-AL;220uF,20%,16V,GP,8*12,5MM,TP	
RC12	2401-000830	C-AL;220uF,20%,25V,GP,8*11.5,5MM,TP	
AC30	2401-001324	C-AL;470nF,20%,50V,GP,BK,3x5,1mm	
UC5	2401-001355	C-AL;470uF,20%,10V,GP,8x11.5,5MM,TP	
HC22	2401-001465	C-AL;47uF,20%,10V,GP,5*11,5mm,TP	
FC13	2401-001511	C-AL;47uF,20%,16V,GP,6*7,5MM,TP	
HC8	2401-001511	C-AL;47uF,20%,16V,GP,6*7,5MM,TP	
HC9	2401-001511	C-AL;47uF,20%,16V,GP,6*7,5MM,TP	
AC28	2401-001538	C-AL;47uF,20%,25V,GP,5*11,5mm,TP	
HC2	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
HC1	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
FC16R	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
FC16L	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
FC11R	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
DC38	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
DC38	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
DC46	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
FC11L	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
DC37	2401-001895	C-AL;100uF,20%,16V,GP,TP,6.3x11,2.5	
AC43	2401-001895	C-AL;100uF,20%,16V,GP,TP,6.3x11,2.5	
AC29	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
AC27	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
FC5L	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC5R	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC6L	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC6R	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC7L	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC7R	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
UC2	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC4R	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
DC31	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC21R	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC2L	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	

Location no.	Code no.	Description & Specifiation	Remarks
FC2R	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC4L	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC3R	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
FC3L	2401-001919	C-AL;2.2uF,20%,50V,-,TP,4x7mm,5	
DC33	2401-001954	C-AL;4.7UF,20%,50V,GP,5*11,5MM,TP	
AL4	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
AL3	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
AL2	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
AL1	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
RF7	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
RF6	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
RF3	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
RF1	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
UIC1	AH11-00058A	MASK ROM;LC8672484A-5Z61,MM-B9,48K,-,QFP	
	AH97-00900L	**ASSY-CA'DECK;-,MML7,ASSY CA'DECK**	
	3809-001279	CABLE-FLAT;30V,80C,200MM,17P,1.25MM,UL28	
	3809-001282	CABLE-FLAT;30V,80C,80MM,9P,1.25MM,UL2896	
	AH59-00137A	DECK-CASSETTE;CMAL1Z200A,MM-Z100,-,-,DC1	

**** MM-ZB9 Parts List ****

	3809-001280	CABLE-FLAT;30V,80C,250MM,17P,1.25MM,UL28	
	AH26-00161A	TRANS POWER;-,MM-B9,-,5P/10P,230V,-,-,-,	
	AH31-00029A	MOTOR FAN;C161NK10B0110,RDM6015S,0.15A,-	
	AH38-10001A	FM-WIRE;1007#22,1500MM	
	AH39-00257A	POWER CORD;Z-88,-,CP2,250V,2.5A,1830MM/1	
	AH40-00024D	TUNER;KST-MN114LS1-55,MM-ZB9,-,-,-,-	
	AH42-20001P	LOOP-ANT;TT,1000MM,18.5UH	
	AH59-00134B	REMOCON-ASSY;MAX-L65,SAMSUNG,-,-,27KEY,-	
	AH59-00138B	**DECK-MECHA ASSY;-,CD,-,-,-,-,-,-**	
	3409-001078	LEAF SWITCH;MSW-1731-CVCA	
	3809-001289	CABLE-FLAT;30V,80C,90MM,16P,1MM,UL20696	
	AH31-00030A	MOTOR DC;-,RF-300CH,86MA,-,-,1~6V,1410?	
	AH59-01006A	DECK;CMS-P73SG6,MM-Z100UH,-,19.4MM,	
	AH30-00007A	PICK UP;SOH-AA,D73SG6(U)	
	AH92-00921A	**ASSY PCB CD;G3HI-1CD,G3HI-1CD,3.5S**	
IC401	1003-001162	IC-MOTOR DRIVER;KA3082,SIP,10PIN,25MIL,D	
X201	2802-000211	RESONATOR-CERAMIC;16.93MHz,0.5%,TP,10.0x	
CW105	3708-000189	CONNECTOR-FPC/FFC/PIC;17P,1.25mm,ANGLE,S	
CW101	3708-001388	CONNECTOR-FPC/FFC/PIC;16P,1MM,ANGLE,SN	
CW103	3711-000988	CONNECTOR-HEADER;BOX,5P,1R,2mm,ANGLE,SN	
CW106	AH39-00060A	LEAD CONNECTOR-ASSY;-,51015-08,51004-08,	
ZD301	0403-000344	DIODE-ZENER;UZ3.9B,3.9V,3.7-4.1V,500mW,D	
ZD401	0403-000357	DIODE-ZENER;UZ5.6BM,5.6V,5.4-5.8V,500mW,	
Q302	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q101	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
Q301	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
IC201	0904-001524	IC-DSP;5L9290,-,QFP,48P,472MIL,16.934	
IC301	1003-000179	IC-MOTOR DRIVER;KA9258D,SOP,28P,-,SINGLE	
IC602	1105-001339	IC-DRAM;11L1644,4Mx4Bit,TSOP24P,300MI	
IC101	1204-001799	IC-ASP;KB9226,LQFP,48P,393MIL,PLASTIC	
IC601	1204-001885	IC-DECODER;S5L9276,LQFP,64P,-,PLASTIC,3.	
R502L	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R203	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R802	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R804	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R805	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R806	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R812	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R801	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R205	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R211	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R212	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R213	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R605	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R803	2001-000515	R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R206	2001-000515	R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R302	2001-001006	R-CARBON;82ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R114	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
J46	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J45	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J44	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J41	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J42	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J43	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J35	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J36	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J37	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J38	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW11	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J34	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J20	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J24	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J31	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	

Location no.	Code no.	Description & Specifiation	Remarks
J32	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J33	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J24	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J25	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J3	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J23	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J22	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J21	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J9	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J8	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J7	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J6	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J5	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J4	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J14	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J13	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J12	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J11	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J10	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J1	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J2	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J19	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J18	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J17	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J16	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
J15	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R501R	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R501L	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R502R	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R132	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R133	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R108	2007-000308	R-CHIP;10OHM,5%,1/10W,DA,TP,2012	
R124	2007-000338	R-CHIP;120KOHM,5%,1/10W,DA,TP,2012	
R125	2007-000338	R-CHIP;120KOHM,5%,1/10W,DA,TP,2012	
R117	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
R121	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R113	2007-000444	R-CHIP;180KOHM,5%,1/10W,DA,TP,2012	
R110	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R603	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R602	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R601	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R402	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R401	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R209	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R202	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R118	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R303	2007-000502	R-CHIP;2.2OHM,5%,1/10W,DA,TP,2012	
R303	2007-000502	R-CHIP;2.2OHM,5%,1/10W,DA,TP,2012	
R116	2007-000546	R-CHIP;20KOHM,5%,1/10W,DA,TP,2012	
R204	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R207	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R208	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R604	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R128	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R123	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R129	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R104	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R120	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R126	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R103	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R102	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R101	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R115	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R112	2007-001195	R-CHIP;820KOHM,5%,1/10W,DA,TP,2012	
R127	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
R119	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
R106	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
R105	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
R107	2007-001216	R-CHIP;82OHM,5%,1/10W,DA,TP,2012	
R301	2008-000140	R-FUSIBLE;2.2ohm,5%,1/2W,AA,TP,3.5x9.4mm	
C602	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C601	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C402	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C220	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C218	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C612	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C611	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C610	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C607	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C604	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C216	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C130	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C129	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C118	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C116	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C115	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C213	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C211	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C205	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C204	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C132	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
C199	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C401	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	

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C207	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
C134	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
C121	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
C103	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
C124	2203-000347	C-CERAMIC,CHIP;150nF,10%,50V,NPO,2012,-,	
JW9<->JW10	2203-000477	C-CERAMIC,CHIP;1uF,+80-20%,16V,Y5V,2012,	
C126	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,2012,-,	
C127	2203-000595	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,2012	
C105	2203-000671	C-CERAMIC,CHIP;27nF,10%,50V,X7R,2012,-,T	
C119	2203-000802	C-CERAMIC,CHIP;33NF,10%,50V,X7R,2012,TP	
C128	2203-000802	C-CERAMIC,CHIP;33NF,10%,50V,X7R,2012,TP	
C125	2203-000840	C-CERAMIC,CHIP;390pF,5%,50V,NPO,2012,-,T	
C112	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
C111	2203-000892	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,2012	
C120	2203-000919	C-CERAMIC,CHIP;470nF,+80-20%,16V,Y5V,201	
C135	2203-000919	C-CERAMIC,CHIP;470nF,+80-20%,16V,Y5V,201	
C109	2203-001026	C-CERAMIC,CHIP;4pF,5%,16V,NPO,2012,-,TP	
C124A	2203-001063	C-CERAMIC,CHIP;56nF,10%,16V,X7R,1608,-,T	
C106	2203-001137	C-CERAMIC,CHIP;68nF,+80-20%,50V,Y5V,2012	
C122	2203-001137	C-CERAMIC,CHIP;68nF,+80-20%,50V,Y5V,2012	
C608	2203-001223	C-CERAMIC,CHIP;820pF,10%,50V,X7R,2012,2.	
C605	2203-001223	C-CERAMIC,CHIP;820pF,10%,50V,X7R,2012,2.	
C203	2203-001223	C-CERAMIC,CHIP;820pF,10%,50V,X7R,2012,2.	
C502R	2203-001537	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
C502L	2203-001537	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
C117	2203-001537	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
C102	2203-001537	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
C104	2203-001551	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C202	2203-001619	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C201	2203-001619	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C123	2401-000407	C-AL;10uF,20%,16V,GP,3.5*5,2.5MM,TP	
C303	2401-001102	C-AL;330uF,20%,16V,GP,8*11.5,5MM,TP	
C301	2401-001102	C-AL;330uF,20%,16V,GP,8*11.5,5MM,TP	
C501R	2401-001238	C-AL;4.7uF,20%,25V,GP,BK,3x5,1mm	
C501L	2401-001238	C-AL;4.7uF,20%,25V,GP,BK,3x5,1mm	
C114	2401-001238	C-AL;4.7uF,20%,25V,GP,BK,3x5,1mm	
C219	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
C212	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
C133	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
C302	2401-001893	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C217	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C304	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C603	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C606	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
R502L	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C215	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C101	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C107	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C108	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C131	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
C210	2401-001934	C-AL;220uF,20%,6.3V,GP,6.3x7,2.5MM	
JW31-1	2701-000111	INDUCTOR-AXIAL;100uH,10%,2.5x3.4mm	
	AH97-00863A	**ASSY CDP DECK-G3HI-1CD/MP3;-,-,G3HI-1CD/**	
	3302-000159	MAGNET-FERRITE;AC,-,3500-3800G,6P FERRIT	
	3409-001119	SWITCH-DETECTOR;5V DC,1.0A,DPST,30gf,-	
	AH39-00104A	LEAD CONNECTOR-ASSY;-,35023,51004,5P,200	
	AH59-01038B	**SPEAKER SYSTEM;PSB9E,-,-,-,-,-,-,-,ELS,-**	
	AH92-01330D	**ASSY PCB-EXP,NO MIC,TAP;MM-B9,SUM**	
ULED1	0601-001432	LED;SLP340BL10F,470NM,3MM	
ULED2	0601-001432	LED;SLP340BL10F,470NM,3MM	
ULED5	0601-001581	LED;ROUND,BLUE/GRN/RED,5MM,-	
UVR1	3406-001047	SWITCH-ROTARY;RE012104PVB25FINB1-2-24E	
UVR2	3406-001050	SWITCH-ROTARY;RE012103PVB25FINB1-2-24PCE	
UVR3	3406-001050	SWITCH-ROTARY;RE012103PVB25FINB1-2-24PCE	
UCW5	3708-000219	CONNECTOR-FPC/FFC/PIC;21P,1.25mm,STRAIGH	
UCW2	3711-000596	CONNECTOR-HEADER;BOX,10P,1R,2mm,STRAIGHT	
UCW3	3711-000968	CONNECTOR-HEADER;BOX,4P,1R,2mm,STRAIGHT,	
HCW2	3711-001136	CONNECTOR-HEADER;BOX,8P,1R,2mm,ANGLE,SN	
ACW2	3711-003107	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGH	
HJ1	3722-001588	JACK-PHONE;7P,3.6PI,AG,BLK,-	
LCD1	AH07-00064A	LCD;-,MM-B9,8.56*40,-,-,-,-,5V,-,-	
UCW6	AH39-00393A	CONNECT WIRE;-,-,-,10P;-,-,-,5295,51004,	
UCW5	AH39-00398A	CONNECT WIRE;-,-,-,4P,-,-,-,35023,51004,	
AMONO WIRE	AH39-50001K	LEAD-FASTEN;RING,1007#24,140MM,BLK	
RMC1	AH59-60001J	MODULE REMOCON;GP1U271R,38KHZ,-,MESH,-,	
	AH61-00898A	HOLDER-LCD;MM-B9,ABS 94HB,-,-,-,WHT,-	
	AH63-00364A	FILTER-LCD;MM-B9,KIMO,120,-,-,-,-	
	AH67-00141A	LENS-LCD;MM-B9,PMMA,CLEAR,-,-,-,-	
XD4	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
XD3	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
XD2	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
XD1	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD51	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD52	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UJW14	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UQ9	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ8	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ5	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ3	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ10	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	

Location no.	Code no.	Description & Specifiation	Remarks
UR80	2001-000027	R-CARBON;100ohm,5%,1/4W,AA,TP,2.4x6.4mm	
UR79	2001-000027	R-CARBON;100ohm,5%,1/4W,AA,TP,2.4x6.4mm	
HR2	2001-000110	R-CARBON;10ohm,5%,1/4W,AA,TP,2.4x6.4mm	
HR1	2001-000110	R-CARBON;10ohm,5%,1/4W,AA,TP,2.4x6.4mm	
UR69	2001-000221	R-CARBON;1.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR76	2001-000221	R-CARBON;1.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR75	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR68	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR50	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR49	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR92	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR91	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR90	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR84	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR86	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR88	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR70	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR77	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR74	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR67	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR73	2001-000472	R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR66	2001-000472	R-CARBON;2.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR65	2001-000613	R-CARBON;3.9Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR72	2001-000613	R-CARBON;3.9Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR51	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR64	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR71	2001-000995	R-CARBON;820ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR78	2001-000995	R-CARBON;820ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR59	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
UR58	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
UR57	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
HC12	2202-000850	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R	
HC11	2202-000850	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R	
UC52	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
HL2	2701-000298	INDUCTOR-AXIAL;470uH,10%,4.2x9.8mm	
HL1	2701-000298	INDUCTOR-AXIAL;470uH,10%,4.2x9.8mm	
HL3	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
USW5	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW4	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW3	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW2	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW6	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW7	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW8	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW9	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW17	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW1	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW10	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW11	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW12	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW16	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW15	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW14	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
USW13	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
	AH92-01331A	**ASSY PCB-TAPE;MM-B9,TAPE**	
JIC1	1201-001819	IC-PREAMP;-,-,44P,-,-,-,PLASTIC,18V,625M	
JCON2	3708-000193	CONNECTOR-FPC/FFC/PIC;17P,1.25mm,STRAIGH	
JCON3	3708-001029	CONNECTOR-FPC/FFC/PIC;9P,1.25mm,STRAIGHT	
JL1R	AH26-10002W	COIL-TRAP;BIAS-TRAP105K,BIAS-TRAP,32DB,9	
JL1L	AH26-10002W	COIL-TRAP;BIAS-TRAP105K,BIAS-TRAP,32DB,9	
JT1	AH26-10003C	COIL-TRAP;PCHNS-5371EQJ,BIAS-TRAP,-,-,85	
JCON1	AH39-00360A	LEAD CONNECTOR ASSY;MM-Z100,1533#28,-,6P	
JD1	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
JD2	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
JZD1	0403-000354	DIODE-ZENER;UZ5.1B,5.1V,4.8-5.4V,500mW,D	
JQ5R	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ5L	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ4R	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ4L	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ9	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
JQ8	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
JQ7	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
JQ13	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
JQ12	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
JQ10	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
JQ11	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
JQ3	0504-001003	TR-DIGITAL;KSR2003TA,300mW,22K-22Kohm	
JR18	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR19	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR28L	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR28R	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR21	2001-000034	R-CARBON;220ohm,5%,1/4W,AA,TP,2.4x6.4mm	
JR26L	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR26R	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR16	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR27R	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR27L	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR33	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR40	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR32R	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR32L	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR2	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	

Location no.	Code no.	Description & Specifiation	Remarks
JR1	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR7R	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR7L	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR24R	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR24L	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR14	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR35	2001-000435	R-CARBON;1Mohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR9	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR5R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR5L	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR31R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR30L	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR30R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR31L	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR13	2001-000456	R-CARBON;2.2ohm,5%,1/4W,AA,TP,2.4x6.4mm	
JR8	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR34	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR3	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR11L	2001-000563	R-CARBON;27Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR11R	2001-000563	R-CARBON;27Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR10	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR17	2001-000660	R-CARBON;33Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR20	2001-000660	R-CARBON;33Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR4R	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR4L	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR41	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR39	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR38	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR37	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR36	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JR29R	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR29L	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR25R	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR25L	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
JR12	2001-001153	R-CARBON(S);47ohm,5%,1/2W,AA,TP,2.4x6.4m	
JR23	2001-001178	R-CARBON(S);680ohm,5%,1/2W,AA,TP,2.4x6.4	
JR22	2001-001178	R-CARBON(S);680ohm,5%,1/2W,AA,TP,2.4x6.4	
JC19R	2201-000163	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,6.5*	
JC19L	2201-000163	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,6.5*	
JC17R	2201-000163	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,6.5*	
JC17L	2201-000163	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,6.5*	
JC4R	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
JC4L	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
JC15R	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
JC15L	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
JC11L	2202-000847	C-CERAMIC,MLC-AXIAL;1,8nF,30%,50V,Y5S,TP	
JC11R	2202-000847	C-CERAMIC,MLC-AXIAL;1,8nF,30%,50V,Y5S,TP	
JC22R	2202-000850	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R	
JC22L	2202-000850	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R	
JC13L	2301-000379	C-FILM,PEF;10nF,10%,50V,6x12x3.5,TP	
JC13R	2301-000379	C-FILM,PEF;10nF,10%,50V,6x12x3.5,TP	
JC8	2301-000390	C-FILM,PEF;15nF,10%,50V,7x12x3.5,TP	
JC6	2301-000404	C-FILM,PEF;2.2nF,10%,50V,5.5x12x3,TP	
JC5	2301-000407	C-FILM,PEF;2.7nF,10%,50V,5.5x12x3,TP	
JC27	2401-000240	C-AL;100uF,20%,10V,GP,5*11mm,5mm,TP	
JC24	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
JC30	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
JC18R	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
JC18L	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
JC10	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
JC3	2401-001954	C-AL;4.7UF,20%,50V,GP,5*11,5MM,TP	
JC23	2401-001954	C-AL;4.7UF,20%,50V,GP,5*11,5MM,TP	
JC16R	2401-001954	C-AL;4.7UF,20%,50V,GP,5*11,5MM,TP	
JC16L	2401-001954	C-AL;4.7UF,20%,50V,GP,5*11,5MM,TP	
JC9R	2401-001975	C-AL;47uF,20%,16V,GP,5*11,5mm,TP	
JC9L	2401-001975	C-AL;47uF,20%,16V,GP,5*11,5mm,TP	
JC7	2401-001975	C-AL;47uF,20%,16V,GP,5*11,5mm,TP	
JC20R	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
JC20L	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
JL2	2701-000298	INDUCTOR-AXIAL;470uH,10%,4.2x9.8mm	
	AH92-01332A	**ASSY PCB-MAIN/POWER;MM-B9,MAIN/POWER**	
RD19	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
RD18	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
RD17	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
RD16	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
RD15	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
RD14	0402-000157	DIODE-RECTIFIER;1N5402,200V,3A,DO-201AD,	
AQ15	0502-001126	TR-POWER;2SD2390,NPN,100W,SC-62,BK,6500	
RQ2	0502-001197	TR-POWER;KSD1406,NPN,25000MW,TO-220F	
RQ4	0502-001197	TR-POWER;KSD1406,NPN,25000MW,TO-220F	
AIC1	1201-001818	IC-POWER AMP;-,-,25P,29MIL,QUAD,26DB,PLA	
AIC4	1203-000110	IC-NEGA.FIXED REG.;7912,TO-220,3P,-,PLAS	
AIC3	1203-000242	IC-POSI.FIXED REG.;7812,TO-220,3P,-,PLAS	
RIC1	1203-000276	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
DIC7	1204-001454	IC-VOLUME CONTROL;TDA7449L,DIP,20P,300MI	
AR50	2003-000616	R-METAL OXIDE(S);27ohm,5%,2W,AA,TP,4x12m	
AR52	2003-000701	R-METAL OXIDE(S);470ohm,5%,2W,AA,TP,4x12	
RC1	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,16.0*7	
RC2	2201-000546	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,16.0*7	
RC9	2401-001052	C-AL;3300uF,20%,25V,GP,-,16x31.5,7.	
RC5	2401-001052	C-AL;3300uF,20%,25V,GP,-,16x31.5,7.	
RC25	2401-001413	C-AL;470UF,20%,35V,GP,10X20,5MM	

Location no.	Code no.	Description & Specifiation	Remarks
HR11<->GND	2401-001465	C-AL;47uF,20%,10V,GP,5*11,5mm,TP	
AC44	2401-001633	C-AL;6800uF,20%,25V,GP,BK,18x35.5,7	
RC26	2401-001883	C-AL;1000uF,20%,25V,GP,13x21mm,5mm,	
RC31	2401-001886	C-AL;1000uF,20%,35V,GP,16x25mm,5mm,	
RC30	2401-001886	C-AL;1000uF,20%,35V,GP,16x25mm,5mm,	
AC47	2401-001886	C-AL;1000uF,20%,35V,GP,16x25mm,5mm,	
AC46	2401-001886	C-AL;1000uF,20%,35V,GP,16x25mm,5mm,	
UX1	2801-001394	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAY,12.5	
UX2	2802-001157	RESONATOR-CERAMIC;6MHZ,-,BK,8X5.5X3MM	
RRL1	3501-001159	RELAY-MINIATURE;SDT-SS-112DM	
RF1	3601-000162	FUSE-CARTRIDGE;250V,1.25A,TIME-LAG,GLASS	
RF6	3601-000170	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,GLASS,	
RF7	3601-000248	FUSE-CARTRIDGE;250V,2A,TIME-LAG,GLASS,5x	
RF3	3601-000319	FUSE;80MA(15.5MM)	
CCW3	3708-000193	CONNECTOR-FPC/FFC/PIC;17P,1.25mm,STRAIGH	
JCW1	3708-000193	CONNECTOR-FPC/FFC/PIC;17P,1.25mm,STRAIGH	
UCW1	3708-000219	CONNECTOR-FPC/FFC/PIC;21P,1.25mm,STRAIGH	
TCW1	3708-001463	CONNECTOR-FPC/FFC/PIC;11P,1.25mm,STRAIGH	
RJ1	3711-000190	CONNECTOR-HEADER;1WALL,2P,1R,7.92mm,STRA	
RCW2	3711-000658	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
FA4	3711-000820	CONNECTOR-HEADER;BOX,2P,1R,2.5mm,STRAIGH	
JW	3711-000907	CONNECTOR-HEADER;BOX,3P,1R,2mm,STRAIGHT,	
RCW1	3711-001018	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
CCW2	3711-001137	CONNECTOR-HEADER;BOX,8P,1R,2mm,STRAIGHT,	
AJ1	3716-001132	TERMINAL-BLOCK;SOLDER,4P,-,-,-	
AJ2	3716-001179	TERMINAL-BLOCK;SOLDER,4P,6.3MM,60V,7A	
AJ4	3722-000377	JACK-RCA;4P/2C,3.5mm,#16~22,SN	
RT2	AH26-00161C	TRANS POWER;-,MM-B9,-,-,230V,8.7V,15.5V,	
RL1	AH27-10001F	COIL-CHOKE;27uH,K,Q30,-,-,DR(6.5*7.5),-,	
RL2	AH27-10001F	COIL-CHOKE;27uH,K,Q30,-,-,DR(6.5*7.5),-,	
HCW1	AH39-00103A	LEAD CONNECTOR-ASS;-,5295,51004,8P,210MM	
FAW1<->FAW1-1	AH39-00307A	WIRE HARNESS;MM-L7,-,-,2P;-,-,-,5295,529	
PCW1	AH39-00399A	CONNECT WIRE;-,-,-,12P,-,-,-,5264,51088,	
	AH39-00400A	CONNECT WIRE;-,-,-,3P,-,-,-,5264,51088,-	
CCW1	AH39-20006G	LEAD-CONNECTOR ASS'Y;51004,5295,5P,300MM	
B	AH39-50001K	LEAD-FASTEN;RING,1007#24,140MM,BLK	
	AH62-00067A	INSULATION-RUBBER;MM-B9,TC-20CG,-,-,-,PI	
UD6	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD7	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD8	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD9	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
AD1	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
RD36	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD10	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD12	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
RD41	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD40	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD4	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD39	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD37	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD8	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD7	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD6	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD5	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD44	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD13	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD12	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD11	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD10	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD35	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD33	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD32	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD3	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RD2	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
RZD8	0403-000354	DIODE-ZENER;UZ5.1B,5.1V,4.8-5.4V,500mW,D	
RZD1	0403-000379	DIODE-ZENER;UZP12B,12V,11.4-12.6V,1W,DO-	
AZD1	0403-000379	DIODE-ZENER;UZP12B,12V,11.4-12.6V,1W,DO-	
AZD2	0403-000393	DIODE-ZENER;UZP5.1B,5.1V,4.8-5.4V,1W,DO-	
RZD3	0403-000399	DIODE-ZENER;UZP9.1B,8.5-9.6V,1W,DO-41,TP	
FZD2	0403-000399	DIODE-ZENER;UZP9.1B,8.5-9.6V,1W,DO-41,TP	
FZD1	0403-000399	DIODE-ZENER;UZP9.1B,8.5-9.6V,1W,DO-41,TP	
AQ13	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
RQ16	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
RQ5	0501-000294	TR-SMALL SIGNAL;KSA708-Y,PNP,800mW,TO-92	
UQ1	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
RQ6	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
HQ2	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
HQ1	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
FQ2	0501-000407	TR-SMALL SIGNAL;KSD471A-Y,NPN,800mW,TO-9	
FQ1	0501-000407	TR-SMALL SIGNAL;KSD471A-Y,NPN,800mW,TO-9	
HQ3	0504-001003	TR-DIGITAL;KSR2003TA,300mW,22K-22Kohm	
FQ3	0504-001003	TR-DIGITAL;KSR2003TA,300mW,22K-22Kohm	
HIC1	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC5	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC3	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC2	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
DIC9	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
FIC1	1204-001776	IC-SOUND PROCESSOR;TDA7442D,SOP,28P,295M	
FR5R	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR5L/1	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR31	2001-000019	R-CARBON(S);10ohm,5%,1/2W,AA,TP,2.4x6.4m	
RR10	2001-000027	R-CARBON;100ohm,5%,1/4W,AA,TP,2.4x6.4mm	

Location no.	Code no.	Description & Specifiation	Remarks
RR11	2001-000027	R-CARBON;100ohm,5%,1/4W,AA,TP,2.4x6.4mm	
FR13L	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
FR12L	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
FR24R	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR2	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR1	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
DR54	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
DR53	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR30	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR13	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR26R	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR26L	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
AR36	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
DR61	2001-000331	R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR6L	2001-000411	R-CARBON;18Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR6R	2001-000411	R-CARBON;18Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR14	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR15	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR17	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR8	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR9	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR13	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR35	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR39	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR10	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR11	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR12	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR25R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
FR25L	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
AR13R	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
AR13L	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR9	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR3R	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
FR3L	2001-000522	R-CARBON;22Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
HR4	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
HR11	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
FR1R	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
FR1L	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR38	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
RR37	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
FR5L	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2m	
AR19	2001-000786	R-CARBON;47Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
AR12L	2001-000864	R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
AR12R	2001-000864	R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RR36	2001-000890	R-CARBON;6.8Kohm,5%,1/8W,AA,TP,1.8x3.2m	
AR51	2001-001077	R-CARBON(S);150ohm,5%,1/2W,AA,TP,2.4x6.4	
RR4	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
RR101	2001-001195	R-CARBON(S);82ohm,5%,1/2W,AA,TP,2.4x6.4m	
FR30	2001-001195	R-CARBON(S);82ohm,5%,1/2W,AA,TP,2.4x6.4m	
FR10	2001-001195	R-CARBON(S);82ohm,5%,1/2W,AA,TP,2.4x6.4m	
RR3	2003-000554	R-METAL OXIDE(S);2.2OHM,5%,1W,AA,TP,3.3X	
RR100	2003-000708	R-METAL OXIDE(S);47OHM,5%,1W,AA,TP	
JW4	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW3	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW2	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW19	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW6	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW73	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW8	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW82	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW9	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW1	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW10	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW11	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW110	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW14	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW18	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW17	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW16	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW15	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
JW13	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
JW12	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
HR8	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
HR7	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
DR62	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
FR13R	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
FR24L	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
FR12R	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
AR5	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
DR52	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
DR51	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
UR31	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
UR32	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
UR33	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
UR45	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
FR28L	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
FR28R	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
UR29	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
UR30	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
FR4R	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
FR4L	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
FR27R	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
FR27L	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	

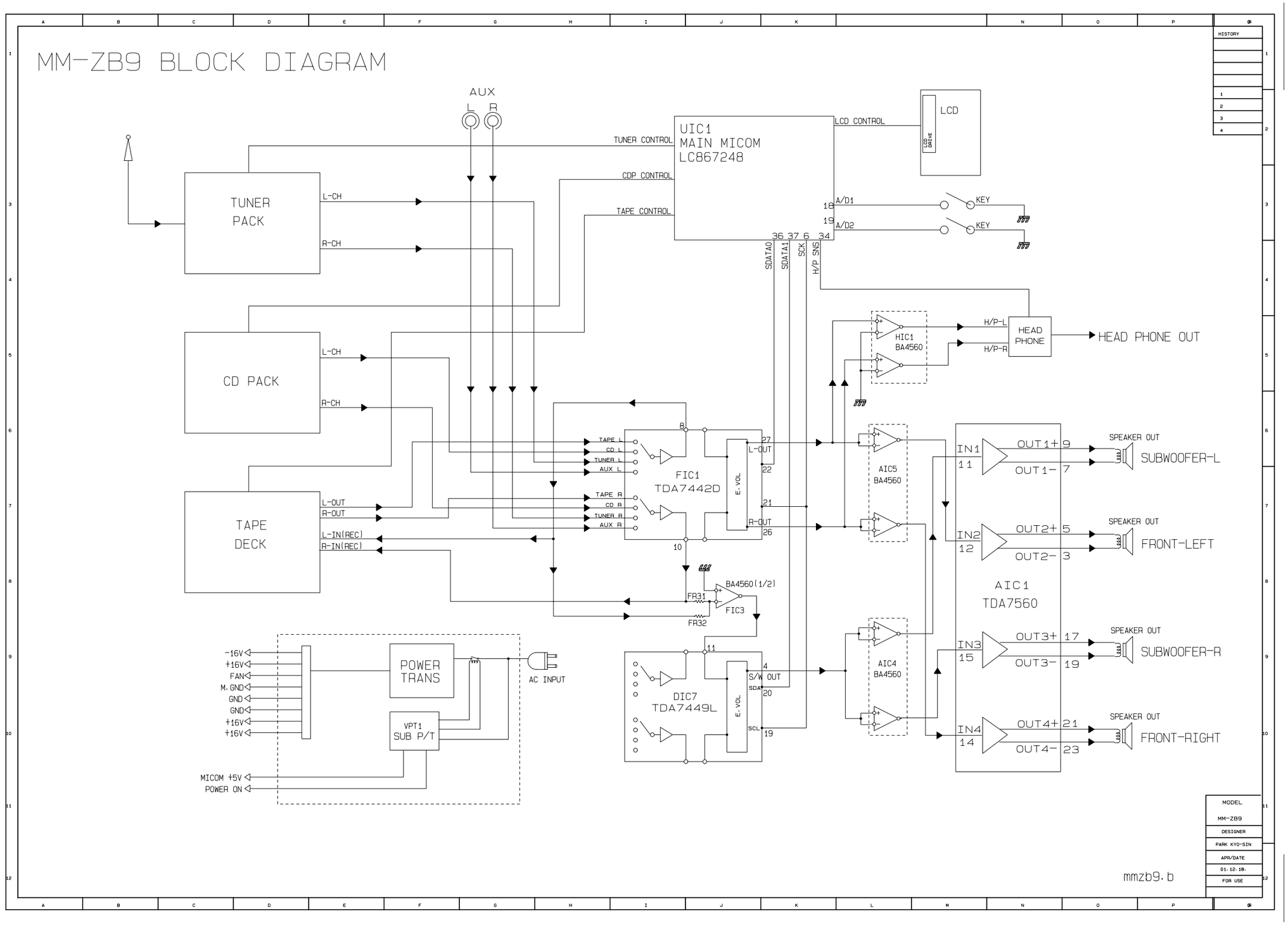
Location no.	Code no.	Description & Specifiation	Remarks
UR27	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
UR26	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RR12	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
AR40	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
AR4	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
FR2R	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
FR2L	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
UR25	2007-000565	R-CHIP;220KOHM,5%,1/10W,DA,TP,2012	
DR50	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
UR28	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
FR11R	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
FR11L	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
DR64	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
DR60	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
RR8	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
DR49	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
HR1	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
FR14R	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
FR14L	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
DR56	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
HR3	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
HR21	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
FR5L	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
DR67	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
DR63	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
UR41	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
UR42	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
UR43	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
UR44	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
UR40	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
DR65	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
HR21	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
HR5	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
HR6	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
HR9	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
HR10	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
FR7R	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
FR7L	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
UR23	2007-001024	R-CHIP;560KOHM,5%,1/10W,DA,TP,2012	
DR48	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
DR47	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
DR46	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
FR20	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
FR23	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
UR24	2007-001654	R-CHIP;10MOHM,1%,1/10W,DA,TP,201	
RC8	2201-000161	C-CERAMIC,DISC;10nF,+80-20%,500V,Y5V,10x	
RC4	2201-000161	C-CERAMIC,DISC;10nF,+80-20%,500V,Y5V,10x	
RC13	2201-000161	C-CERAMIC,DISC;10nF,+80-20%,500V,Y5V,10x	
FC1L	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
FC1R	2201-000368	C-CERAMIC,DISC;220pF,10%,50V,SL,TP,6.5x3	
UC7	2201-000389	C-CERAMIC,DISC;0.022nF,5%,50V,NP0,TP,5x3	
UC6	2201-000389	C-CERAMIC,DISC;0.022nF,5%,50V,NP0,TP,5x3	
UC10	2201-000565	C-CERAMIC,DISC;47nF,+80% -20% 50V Y5V 12	
FC50	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
FC9R	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
FC9L	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
FC10R	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
FC10L	2203-000203	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,2012	
UC8	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
FC14R	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
FC14L	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
DC48	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
DC40	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,2012,-,T	
HC5	2203-000595	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,2012	
HC4	2203-000595	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,2012	
FC20R	2203-000595	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,2012	
FC20L	2203-000595	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,2012	
HC7	2203-000787	C-CERAMIC,CHIP;330PF,0.1,50V,Y5P,2012,-,	
HC6	2203-000787	C-CERAMIC,CHIP;330PF,0.1,50V,Y5P,2012,-,	
DC47	2203-000787	C-CERAMIC,CHIP;330PF,0.1,50V,Y5P,2012,-,	
DC45	2203-000787	C-CERAMIC,CHIP;330PF,0.1,50V,Y5P,2012,-,	
UC9	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,2012,-,T	
DC39	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,2012,-,T	
FC8L	2203-001036	C-CERAMIC,CHIP;5.6nF,10%,50V,X7R,2012,-,	
FC8R	2203-001036	C-CERAMIC,CHIP;5.6nF,10%,50V,X7R,2012,-,	
FC15R	2203-001537	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
FC15L	2203-001537	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012	
UC4	2401-000240	C-AL;100uF,20%,10V,GP,5*11mm,5mm,TP	
UC1	2401-000240	C-AL;100uF,20%,10V,GP,5*11mm,5mm,TP	
RC7	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
HC9/1	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
FC33R	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
AC49	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
FC30L	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
FC33L	2401-000303	C-AL;100uF,20%,25V,GP,6.3*11,5MM,TP	
FC30R	2401-000357	C-AL;100UF,0.2,50V,GP,8*12,5MM,SSL	
DC49	2401-000419	C-AL;10UF,20%,16V,GP,5*11,5MM,TP	
DC36	2401-000419	C-AL;10UF,20%,16V,GP,5*11,5MM,TP	
RC27	2401-000438	C-AL;10uF,20%,25V,GP,5*11,5mm,TP	
FC12	2401-000438	C-AL;10uF,20%,25V,GP,5*11,5mm,TP	
AC26R	2401-000649	C-AL;2.2UF,50V,BP,5*11MM,5MM	
AC26L	2401-000649	C-AL;2.2UF,50V,BP,5*11MM,5MM	
AC25R	2401-000649	C-AL;2.2UF,50V,BP,5*11MM,5MM	

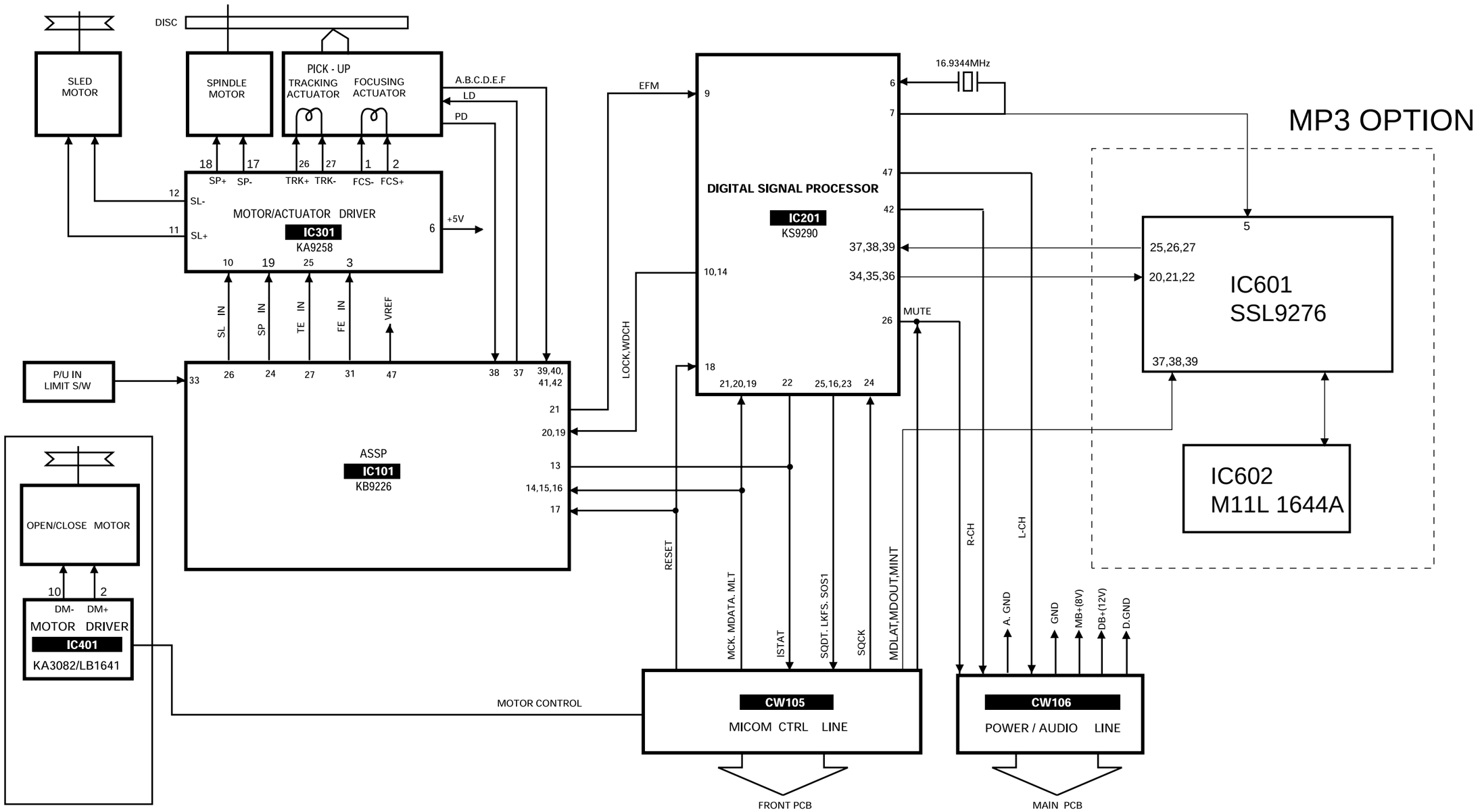
Location no.	Code no.	Description & Specifiation	Remarks
AC25L	2401-000649	C-AL;2.2UF,50V,BP,5*11MM,5MM	
UC3	2401-000759	C-AL;220NF,20%,50V,GP,5X11MM,5MM,TP	
RC10	2401-000795	C-AL;220uF,20%,16V,GP,8*12,5MM,TP	
RC12	2401-000830	C-AL;220uF,20%,25V,GP,8*11.5,5MM,TP	
RC6	2401-000830	C-AL;220uF,20%,25V,GP,8*11.5,5MM,TP	
UC5	2401-001355	C-AL;470uF,20%,10V,GP,8x11.5,5MM,TP	
HC22	2401-001465	C-AL;47uF,20%,10V,GP,5*11,5mm,TP	
AC28	2401-001538	C-AL;47uF,20%,25V,GP,5*11,5mm,TP	
HC2	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
HC1	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
FC16R	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
FC16L	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
FC11R	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
DC38	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
DC38	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
DC46	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
FC11L	2401-001889	C-AL;100nF,20%,50V,GP,5*11,5mm,TP	
DC37	2401-001895	C-AL;100uF,20%,16V,GP,TP,6.3x11,2.5	
AC43	2401-001895	C-AL;100uF,20%,16V,GP,TP,6.3x11,2.5	
RC28	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
AC29	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
AC27	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
DC33	2401-001954	C-AL;4.7UF,20%,50V,GP,5*11,5MM,TP	
AC30	2401-001968	C-AL;470nF,20%,50V,GP,5*11,5mm,TP	
HC9	2401-001975	C-AL;47uF,20%,16V,GP,5*11,5mm,TP	
HC8	2401-001975	C-AL;47uF,20%,16V,GP,5*11,5mm,TP	
FC13	2401-001975	C-AL;47uF,20%,16V,GP,5*11,5mm,TP	
FC6L	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC5R	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC5L	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC4R	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC6R	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC7L	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC7R	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
UC2	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
DC31	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC21R	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC21R/1	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC2L	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC4L	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC3R	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC3L	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
FC2R	2401-002180	C-AL;2.2uF,20%,50V,GP,5*11,5mm,TP	
AL4	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
AL3	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
AL2	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
AL1	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
RF7	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
RF6	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
RF3	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
RF1	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
UIC1	AH11-00058A	MASK ROM;LC867248A-5Z61,MM-B9,48K,-,QFP	

Location no.	Code no.	Description & Specifiation	Remarks

4. Block Diagram

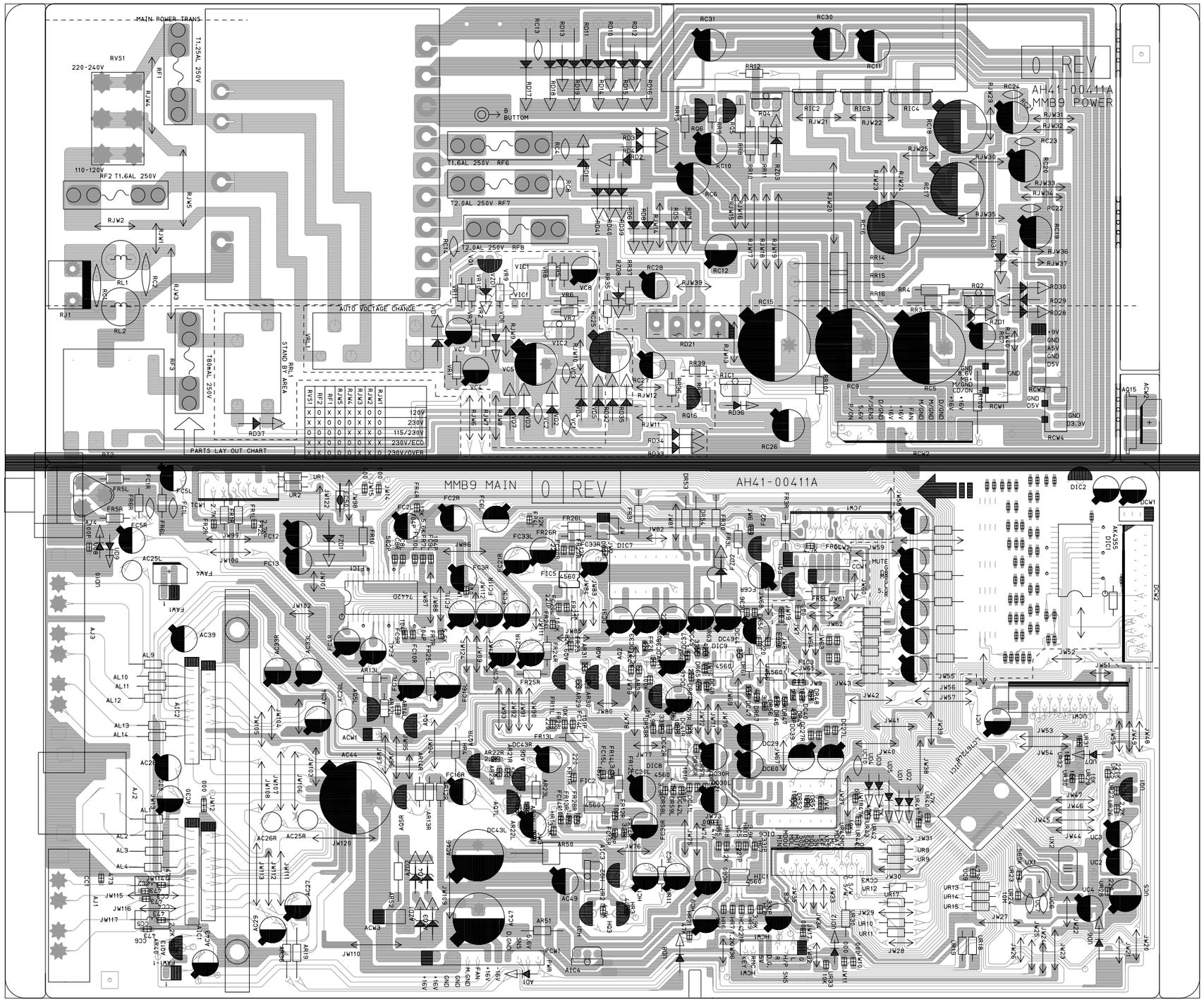
4-1 Main

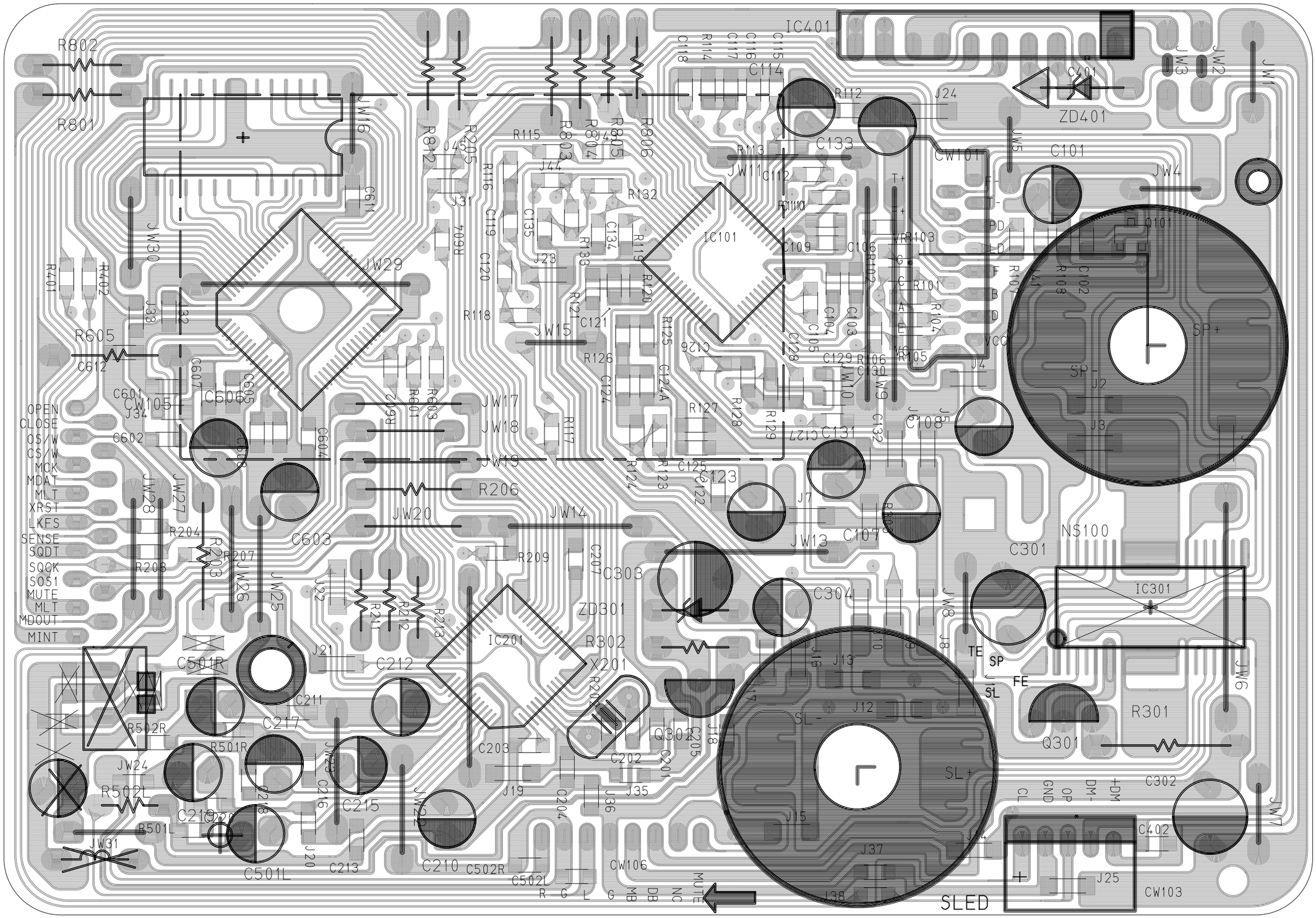


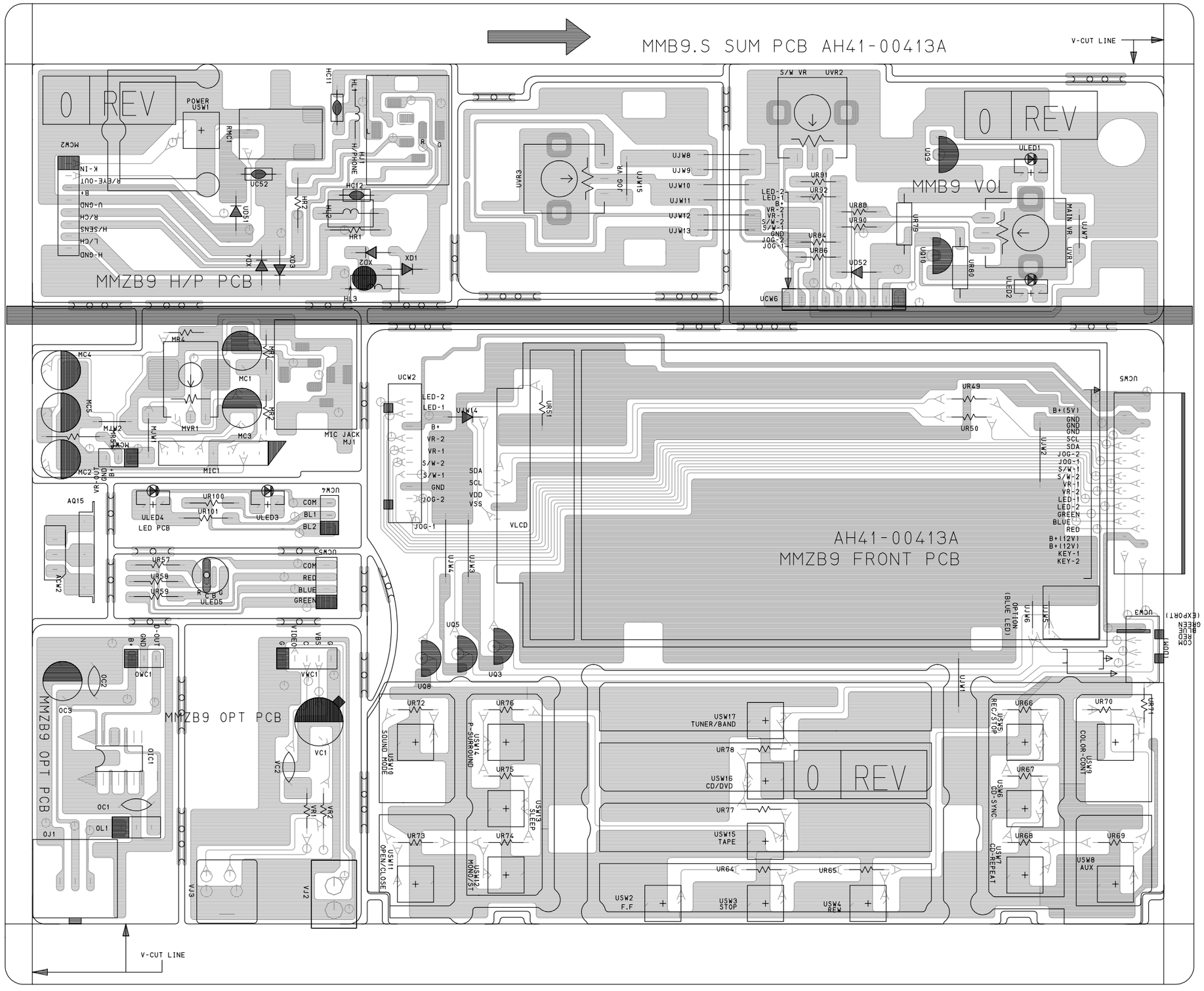

DISC
SLED MOTOR
SPINDLE MOTOR
PICK - UP
TRACKING ACTUATOR
FOCUSING ACTUATOR
A.B.C.D.E.F
LD
PD
18 17 26 27 1 2
SP+ SP- TRK+ TRK- FCS- FCS+
12 SL-
11 SL+
MOTOR/ACTUATOR DRIVER
IC301
KA9258
6 +5V
10 19 25 3
SL IN
SP IN
TE IN
FE IN
VREF
P/U IN LIMIT S/W
33 26 24 27 31 47 38 37 39,40, 41,42
21
20,19
13
14,15,16
17
ASSP
IC101
KB9226
EFM
LOCK,WDCH
RESET
MCK. MDATA. MLT
ISTAT
SQDT. LKFS. SOS1
SQCK
MDLAT,MDOUT,MINT
9
10,14
18
21,20,19
22
25,16,23
24
DIGITAL SIGNAL PROCESSOR
IC201
KS9290
6
7
16.9344MHz
47
42
37,38,39
34,35,36
26
MUTE
R-CH
L-CH
A. GND
GND
MB+(8V)
DB+(12V)
D.GND
MP3 OPTION
5
25,26,27
20,21,22
IC601
SSL9276
37,38,39
IC602
M11L 1644A
OPEN/CLOSE MOTOR
10 2
DM- DM+
MOTOR DRIVER
IC401
KA3082/LB1641
MOTOR CONTROL
CW105
MICOM CTRL LINE
FRONT PCB
CW106
POWER / AUDIO LINE
MAIN PCB

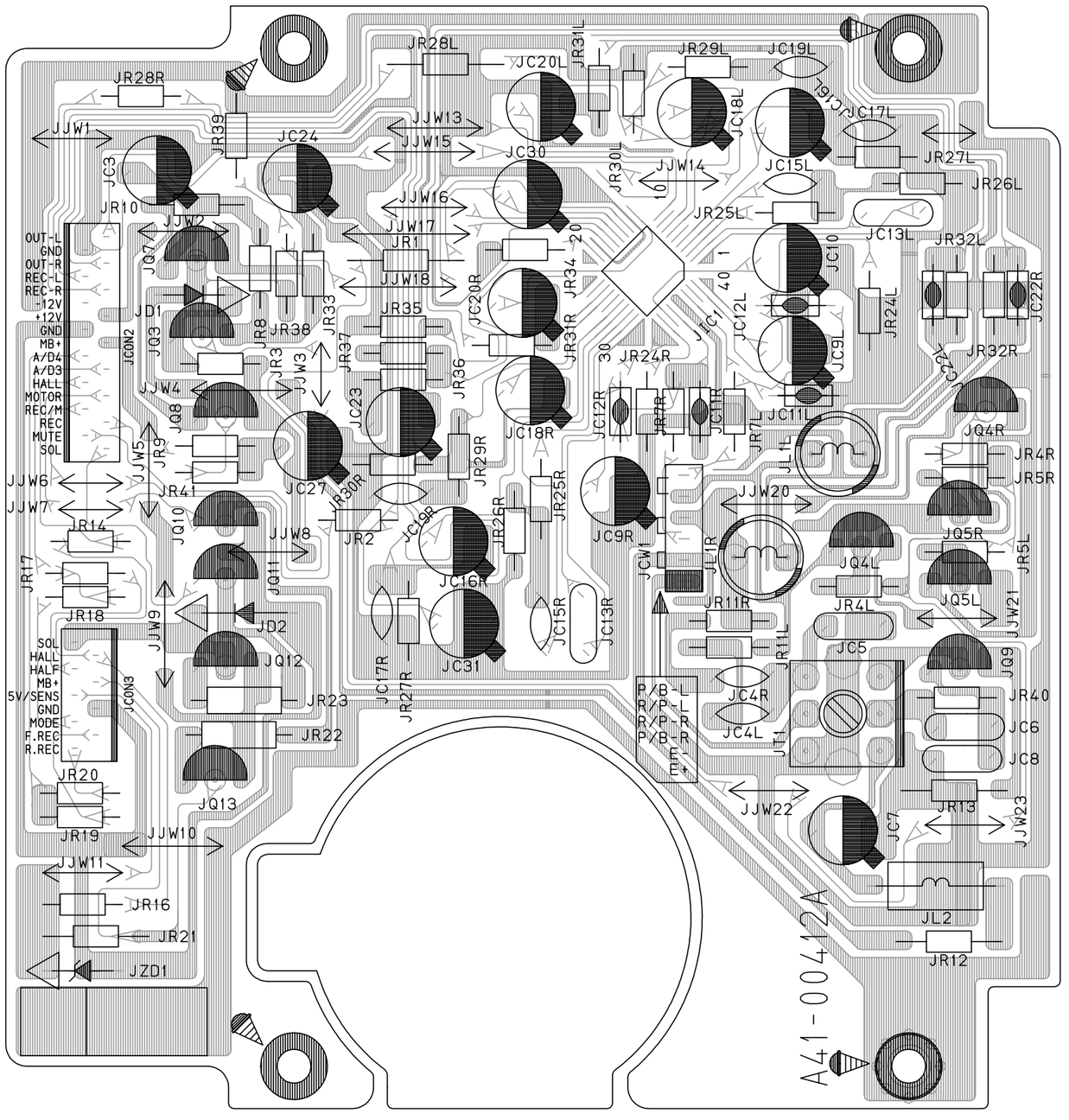
5. Printed Circuit Board Diagram

5-1 MAIN/POWER

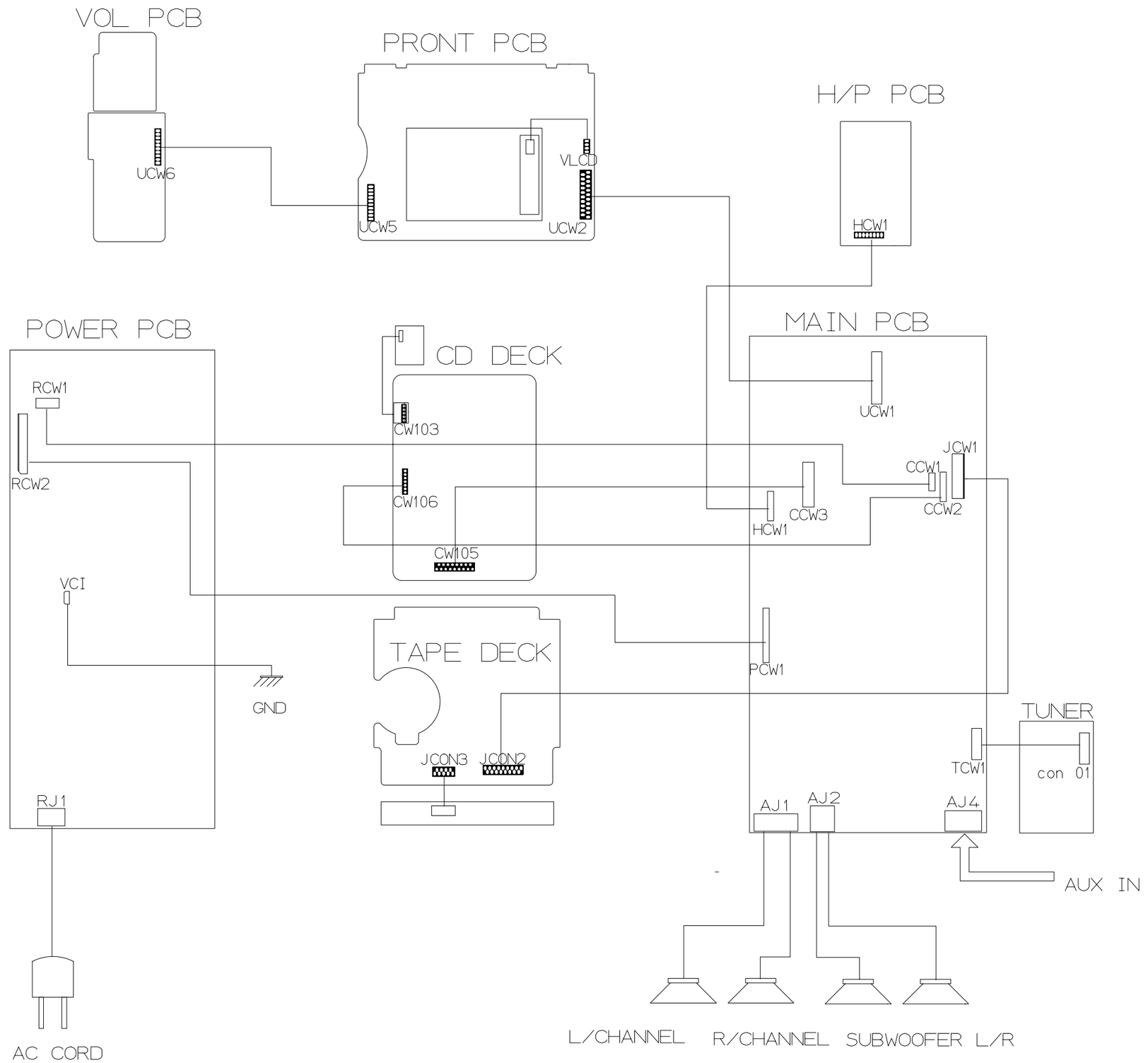



IC401
C401
ZD401
C114
C133
C101
JW4
JW1
JW2
JW3
JW5
CW101
R802
R801
R812
R805
R806
R115
R132
IC101
R605
C612
C601
CW105
C606
C602
C603
R206
JW20
JW14
JW13
C107
C108
C131
C123
C125
C122
C124
C121
JW15
JW17
JW18
JW19
R204
R203
R208
R207
JW26
JW25
JW27
JW28
C501R
C501L
R502R
R502L
R501R
R501L
C211
C217
C212
C213
C215
C216
C218
C210
C502R
C502L
IC201
R302
X201
ZD301
C303
C304
C203
C202
C204
C205
Q302
C201
J19
J35
J36
J37
J38
CW106
C301
NS100
IC301
R301
Q301
C302
C402
J25
CW103
SLED
SL+
SL-
SP+
SP-
TE
SP
FE
SL
OPEN
CLOSE
OS/W
CS/W
MCK
MDAT
MLT
XRST
LKFS
SENSE
SQDT
SQCK
SO51
MUTE
MLT
MDOUT
MINT
PD
LD
F
B
D
VCC
VC
CL
OP
GND
DM+
+DM
R
G
L
G
MB
DB
NC
MUTE


MMB9.S SUM PCB AH41-00413A
V-CUT LINE
MMZB9 H/P PCB
MMB9 VOL
AH41-00413A
MMZB9 FRONT PCB
MMZB9 OPT PCB
LED PCB
POWER
USW1
MIC JACK
MJ1
H/PHONE
JOG VR
S/W VR
MAIN VR
OPTION
(BLUE LED)
USW5
REC/STOP
USW6
CD-SYNC
USW7
CD-REPEAT
USW8
AUX
USW9
COLOR-CONT
USW10
SOUND MODE
USW11
OPEN/CLOSE
USW12
MONO/ST
USW13
SLEEP
USW14
P-SURROUND
USW15
TAPE
USW16
CD/DVD
USW17
TUNER/BAND
USW2
F.F
USW3
STOP
USW4
REW
0 REV

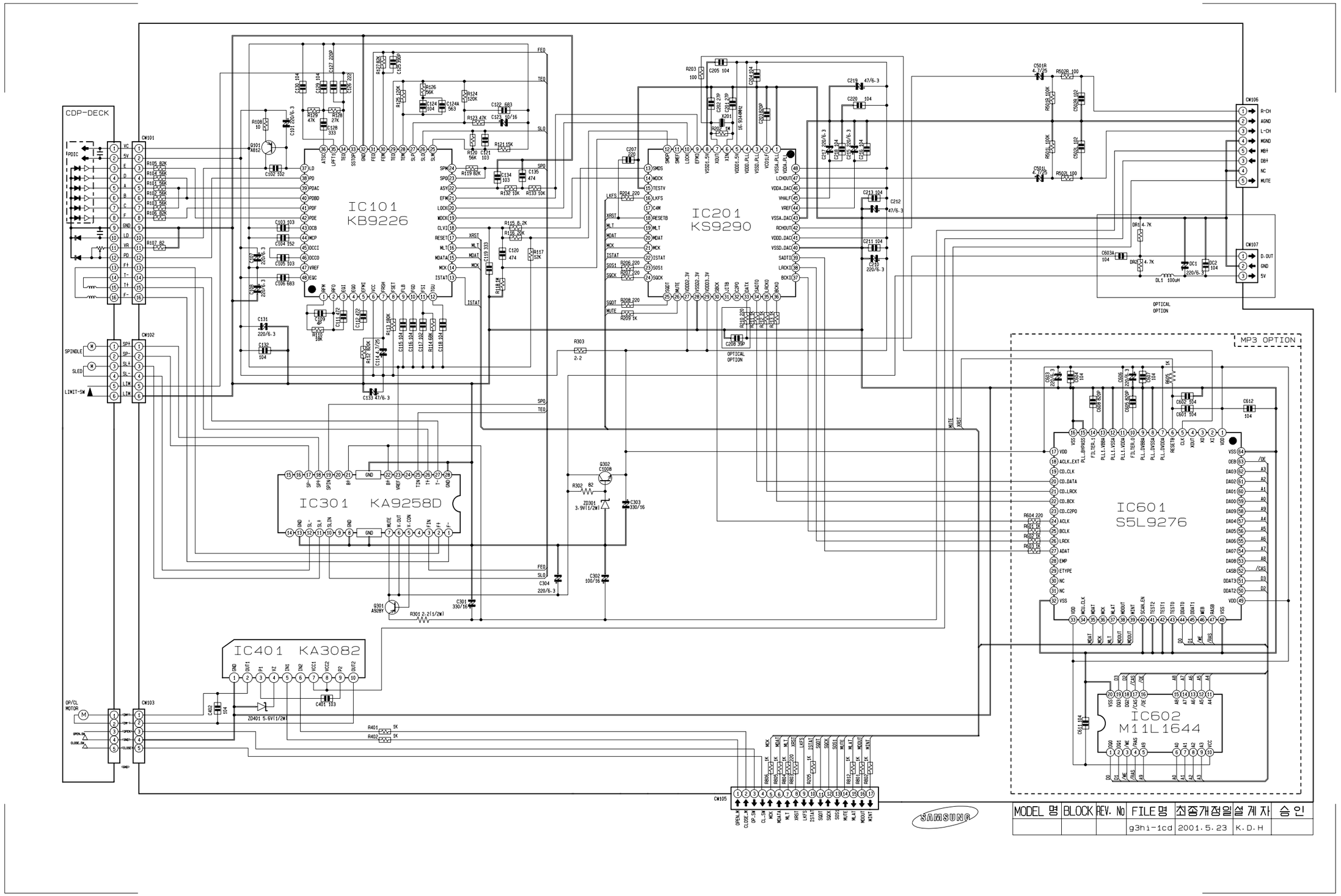

JR28L
JC20L
JR31L
JR29L
JC19L
JR28R
JC18L
JC17L
JJW1
JJW13
JJW15
JR39
JC24
JC30
JR30L
JJW14
JC15L
JR27L
JC3
JR26L
JR10
JJW16
JJW2
JJW17
JR25L
JC13L
JR32L
JQ7
JR1
JC10
OUT-L
GND
OUT-R
REC-L
REC-R
-12V
+12V
GND
MB+
A/D4
A/D3
HALL
MOTOR
REC/M
REC
MUTE
SOL
JJW18
JR34
JC20R
JR24L
JC22R
JD1
JR35
JR31R
JC12L
JR32R
JQ3
JR8
JR38
JR33
JR37
JR3
JJW3
JR36
JC9L
JC22L
JJW4
JR24R
JC12R
JC11R
JR7R
JR7L
JC11L
JQ8
JC23
JC18R
JQ4R
JR4R
JR9
JJW5
JR29R
JR25R
JR5R
JJW6
JC27
JR30R
JJW20
JJW7
JR41
JR26R
JC9R
JQ10
JR2
JC19R
JJW8
JQ5R
JR14
JC1R
JQ4L
JR5L
JR17
JQ11
JC16R
JR15R
JR13R
JR11R
JQ5L
JJW21
JR18
JJW9
JD2
JR4L
JC15R
JC13R
JC1L
JC5
JQ9
SOL
HALL
HALF
MB+
5V/SENS
GND
MODE
F.REC
R.REC
JCON3
JQ12
JC17R
JR27R
JC31
JR11L
JR40
JR23
JC4R
JC6
P/B-L
R/P-L
R/P-R
P/B-R
T/F+
JC4L
JC1
JR22
JC8
JR20
JJW22
JR13
JJW23
JQ13
JC7
JJW10
JR19
JJW11
JL2
JR16
JR12
JR21
JZD1
A41-00412A

6. Wiring Diagram



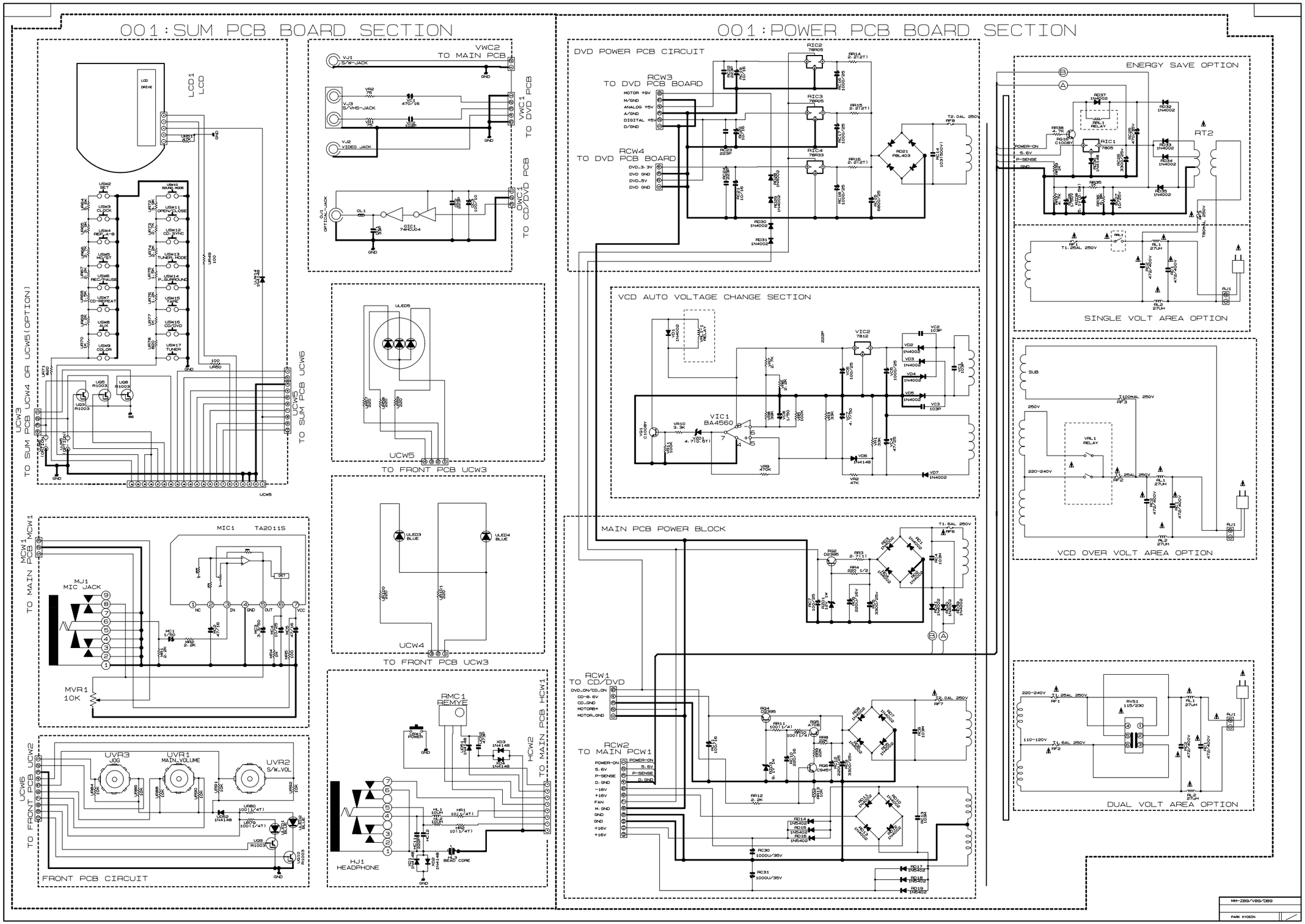
7. Schematic Diagram

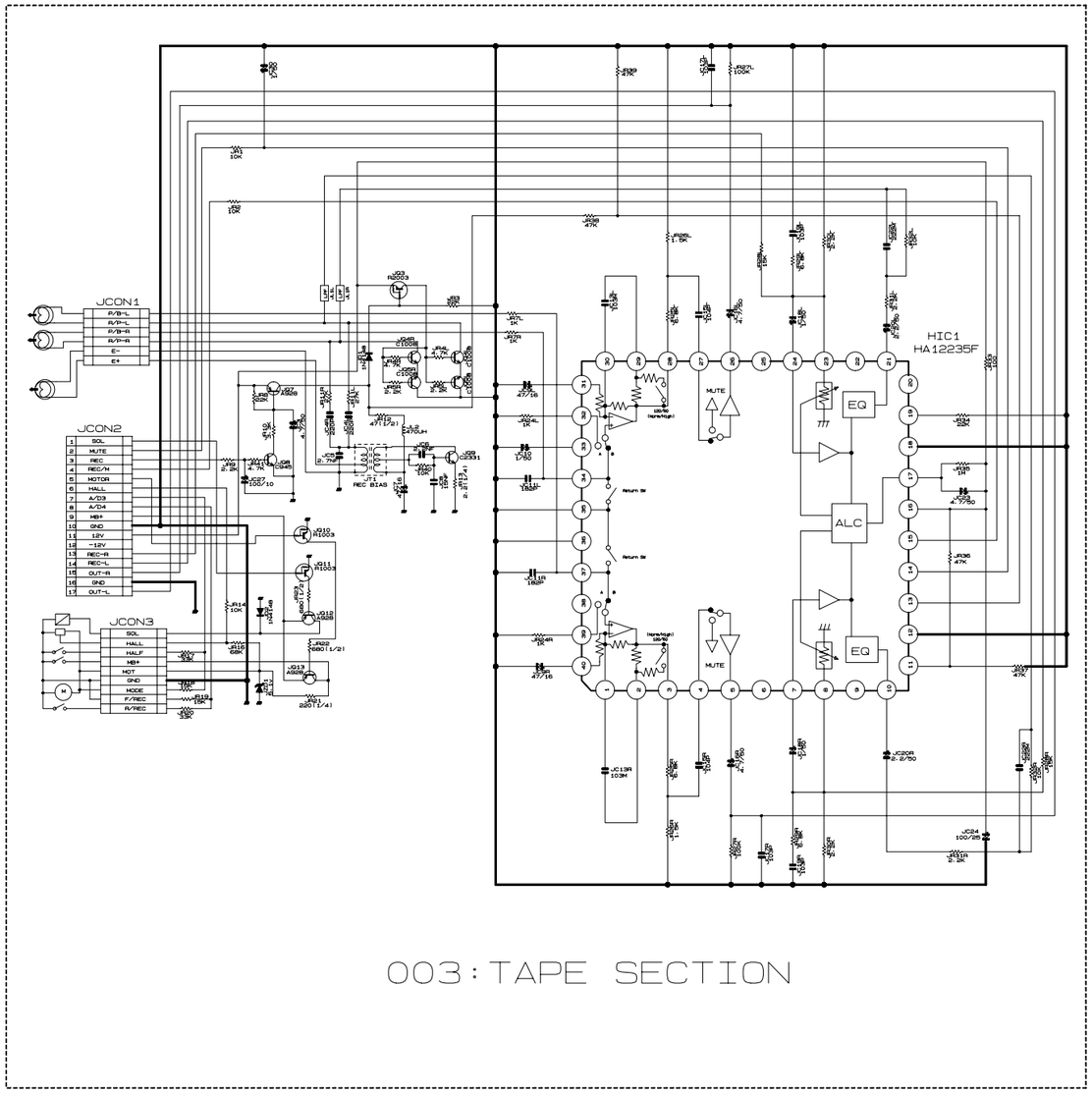
7-1 CD/MP3 Part



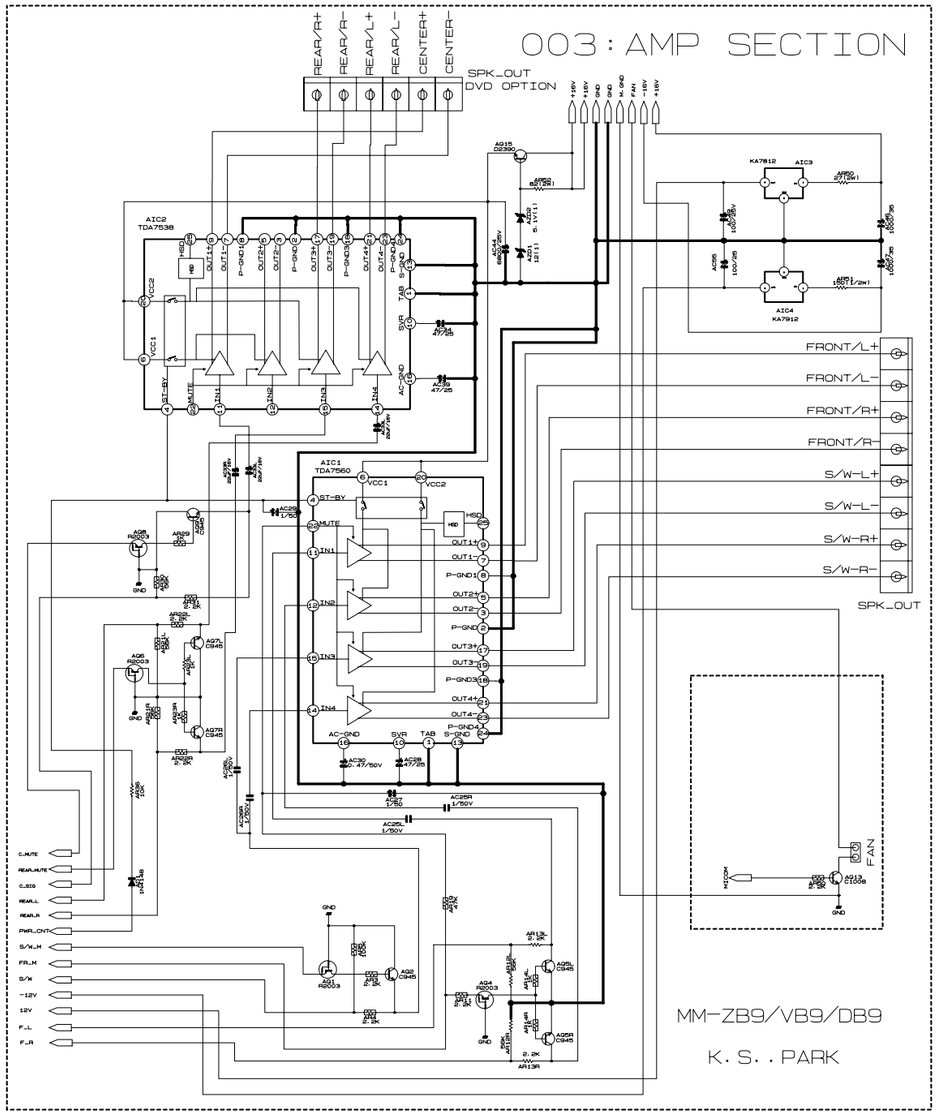
002 : MAIN SECTION

DVD OPTION


001:SUM PCB BOARD SECTION
001:POWER PCB BOARD SECTION
LCD1
LCD
VWC2
TO MAIN PCB
VWC1
TO DVD PCB
OWC1
TO CD/DVD PCB
UCW3
TO SUM PCB UCW4 OR UCW5(OPTION)
UCW5
TO SUM PCB UCW6
UCW5
TO FRONT PCB UCW3
UCW4
TO FRONT PCB UCW3
MCW1
TO MAIN PCB MCW1
UCW6
TO FRONT PCB UCW2
FRONT PCB CIRCUIT
HCW2
TO MAIN PCB HCW1
DVD POWER PCB CIRCUIT
RCW3
TO DVD PCB BOARD
RCW4
TO DVD PCB BOARD
VCD AUTO VOLTAGE CHANGE SECTION
MAIN PCB POWER BLOCK
RCW1
TO CD/DVD
RCW2
TO MAIN PCW1
ENERGY SAVE OPTION
SINGLE VOLT AREA OPTION
VCD OVER VOLT AREA OPTION
DUAL VOLT AREA OPTION
MM-Z89/V89/D89
PARK KYOSIN



003 : TAPE SECTION



003 : AMP & TAPE SECTION

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